

## Hako system maintenance:

## Hako-Citymaster 1650 (1491.15)

Die Ordnungsgemäße Ausführung der Hako- System- Wartung stellt die Verfügbarkeit der Maschine für den Kunden sicher und dient dernachhaltigen Werterhaltung des Hako- Produktes. Der Nachweis der ordnungsgemäßen Durchführung ist die Vorraussetzung für den Erhalt der Gewährleistungs- und Garantieansprüche gegenüber dem Hersteller.

Proper execution of Hako system maintenance ensures machine availability for the customer and serves to maintain the retention value of the Hako product. Proof that the maintenance has been properly carried out is a prerequisite for the receipt of warranty and guarantee claims made against the manufacturer.

La maintenace correcte de Hako system maintenance garantit la disposition de machine pour l'acheteur et sert une valorisation de longue durée de produit Hako. La preuve de la maintenance correcte est la condition pour les pretentions de garantie et des droit à garantie envers le vendeur.

## Version: April 2021

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To be carried out by an authorised Hako service centre. Pages 35 - 39.

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Hako system maintenance I, **2500** operating hours (1500 OH, 2500 OH, 3500 OH, 4500 hours, 5500 OH, 6500 OH, 7500 OH, 8500 OH, 9500 OH). To be carried out by an authorised Hako service centre. **Pages 45 - 49.** 

Hako system maintenance II extended, **3000** operating hours (6000 OH, 9000 OH). To be carried out by an authorised Hako service centre. **Pages 50 - 54.** 

Hako system maintenance I, **3500** operating hours (1500 OH, 2500 OH, 3500 OH, 4500 hours, 5500 OH, 6500 OH, 7500 OH, 8500 OH, 9500 OH). To be carried out by an authorised Hako service centre. **Pages 55 - 59.** 

Hako system maintenance II extended, **4000** operating hours (8000 OH). To be carried out by an authorised Hako service centre. **Pages 60 - 64.** 

املا	o evotom meintana	non A1 Increation after 50 energing hours (anes)
		nce A1 – Inspection after 50 operating hours (once)
Quantity	SP No.	Designation
1	01500200	Engine oil filter
1		Engine oil filter
1	01500310	Fuel filter
1	01493180	Hydraulic oil filter
Litres	Operating media	
approx.	Engine oil	<b>Fuchs Titan CARGO 5W-40</b> , specification ACEA E9,
7.2		API CK-4, or similar.
1.2		
	Hako svstem mainte	nance I – every 500 operating hours or annually
Quantity	SP No.	Designation
1	01500200	Engine oil filter
1	01501190	Oil drain screw
1	01501200	Seal of oil drain screw
1	01500530	Oil separator crankcase venting
1	01500420	Fuel pre-filter
1	01500310	Fuel filter
1	01500640	Air filter insert
2	01472250	Roller (Suction Unit). If required!
1	01470830	Rubber apron (Suction Unit). If required!
1	01470860	Rubber apron (Suction Unit). If required!
1	01470890	Circulation water serrated (Suction Unit). If required!
1	01231950	Hose, cpl. (Circulating water system) If required!
Litres	Operating media	
approx.	Engine oil	Fuchs Titan CARGO 5W-40, specification ACEA E9,
7.2	_	API CK-4, or similar.
	Hako system m	aintenance II – every 1000 operating hours
Quantity	SP No.	Designation
-		
1	01500200	Engine oil filter
1	01501190	Oil drain screw
1	01501200	Seal of oil drain screw
1	01500530	Oil separator crankcase venting
1	01500420	Fuel pre-filter
1	01500310	Fuel filter
1	01500640	Air filter insert
1	01500750	Safety cartridge
1	01493180	Hydraulic oil filter
1	01497120	Hydraulic oil tank venting filter
1	00009720	Oil check kit (sample bottle for sending in for oil check)
1	01065540	Cab air filter for CM 1650
2	01472250	Roller (Suction Unit). If required!
1	01470830	Rubber apron (Suction Unit). If required!
1	01470860	Rubber apron (Suction Unit). If required!
1	01470890	Circulation water serrated (Suction Unit). If required!
1	01231950	Hose, cpl. (Circulating water system) If required!

	Hako system m	aintenance II – every 1000 operating hours			
Litres	Operating media				
approx.	Engine oil	Fuchs Titan CARGO 5W-40, specification ACEA E9,			
7.2		API CK-4, or similar.			
0.5	Brake fluid	DOT 4, e.g. FTE Type 9368			
		Check proportion of water in the brake fluid. If the			
		proportion of water is greater than 3 % the brake fluid			
		must be replaced. Check brake fluid oil level and top up			
		if necessary. Or replace brake fluid every			
		2 years!			
	Hako system n	naintenance I – after 1500 operating hours			
Quantity	SP No.	Designation			
1	01500200	Engine oil filter			
1	01501190	Oil drain screw			
1	01501200	Seal of oil drain screw			
1	01500530	Oil separator crankcase venting			
1	01500420	Fuel pre-filter			
1	01500310	Fuel filter			
1	01500640	Air filter insert			
2	01493820	Bearing block (2-broom- system)			
4	01060940	Bushing (2-broom- system)			
4	01060950	Bushing (2-broom- system)			
2	01493640	Comb (2-broom- system)			
2	01472250	Roller (Suction Unit). If required!			
1	01470830	Rubber apron (Suction Unit). If required!			
1	01470860	Rubber apron (Suction Unit). If required!			
1	01470890	Circulation water serrated (Suction Unit). If required!			
1	01231950	Hose, cpl. (Circulating water system) If required!			
Litres	Operating media				
approx.	Engine oil	Fuchs Titan CARGO 5W-40, specification ACEA E9,			
7.2		API CK-4, or similar.			

	Hako system m	aintenance II – after 2000 operating hours			
Quantity	SP No.	Designation			
1	01500200	Engine oil filter			
1	01501190	Oil drain screw			
1	01501200	Seal of oil drain screw			
1	01500530	Oil separator crankcase venting			
1	01500420	Fuel pre-filter			
1	01500310	Fuel filter			
1	01500640	Air filter insert			
1	01500750	Safety cartridge			
1	01493180	Hydraulic oil filter			
1	01497120	Hydraulic oil tank venting filter			
1	00009720	Oil check kit (sample bottle for sending in for oil check)			
1	01065540	Cab air filter for CM 1600			
1	1167520	Bowden cable coarse material flap at the suction mouth			
1	01220790	V-belt suction fan			
1	01493620	Hydraulic hose suction fan (dirth hopper)			
1	01493670	Hydraulic hose suction fan (dirth hopper)			
1	01501600	Hydraulic hose to the bypass valve.			
1	01501740	Hydraulic hose to the bypass valve.			
2	01490530	Rubber- Metal- Buffer front axle			
2	01472250	Roller (Suction Unit). If required!			
1	01470830	Rubber apron (Suction Unit). If required!			
1	01470860	Rubber apron (Suction Unit). If required!			
1	01470890	Circulation water serrated (Suction Unit). If required!			
1	01231950	Hose, cpl. (Circulating water system) If required!			
Litres	Operating media				
approx.	Engine oil	Fuchs Titan CARGO 5W-40, specification ACEA E9,			
7.2	-	API CK-4, or similar.			
0.5	Brake fluid	DOT 4, e.g. FTE Type 9368			
		Check proportion of water in the brake fluid. If the			
		proportion of water is greater than 3 % the brake fluid			
		must be replaced. Check brake fluid oil level and top up			
		if necessary. Or replace brake fluid every			
		2 years!			
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	Hako system maintenance I – after 2500 operating hours					
Quantity	SP No.	Designation				
1	01500200	Engine oil filter				
1	01501190	Oil drain screw				
1	01501200	Seal of oil drain screw				
1	01500530	Oil separator crankcase venting				
1	01500420	Fuel pre-filter				
1	01500310	Fuel filter				
1	01500640	Air filter insert				
2	01472250	Roller (Suction Unit). If required!				
1	01470830	Rubber apron (Suction Unit). If required!				
1	01470860	Rubber apron (Suction Unit). If required!				
1	01470890	Circulation water serrated (Suction Unit). If required!				
1	01231950	Hose, cpl. (Circulating water system) If required!				
Litres	Operating media					
approx.	Engine oil	Fuchs Titan CARGO 5W-40, specification ACEA E9,				
7.2		API CK-4, or similar.				

	Hako system maintenance II – after 3000 operating hours					
Quantity	SP No.	Designation				
1	01500200	Engine oil filter				
1	01501190	Oil drain screw				
1	01501200	Seal of oil drain screw				
1	01500530	Oil separator crankcase venting				
1	01500420	Fuel pre-filter				
1	01500310	Fuel filter				
1	01500640	Air filter insert				
1	01500750	Safety cartridge				
1	01493180	Hydraulic oil filter				
1	01497120	Hydraulic oil tank venting filter				
1	01501230	Poly V-belt				
1	01501210	Tensioning element				
1	01065540	Cab air filter for CM 1650				
2	01472330	Rear bolt of front lift				
2	01493820	Bearing block (2-broom- system)				
4	01060940	Bushing (2-broom- system)				
4	01060950	Bushing (2-broom- system)				
2	01493640	Comb (2-broom- system)				
2	01472250	Roller (Suction Unit). If required!				
1	01470830	Rubber apron (Suction Unit). If required!				
1	01470860	Rubber apron (Suction Unit). If required!				
1	01470890	Circulation water serrated (Suction Unit). If required!				
1	01231950	Hose, cpl. (Circulating water system) If required!				

	Hako system mai	ntenance II – after 3000 operating hours
Litres	Operating media	
approx.	Engine oil	Fuchs Titan CARGO 5W-40, specification ACEA E9,
7.2	-	API CK-4, or similar.
0.5	Brake fluid	DOT 4, e.g. FTE Type 9368
		Check proportion of water in the brake fluid. If the
		proportion of water is greater than 3 % the brake fluid
		must be replaced. Check brake fluid oil level and top up
		if necessary. Or replace brake fluid every
		2 years!
58	Hydraulic oil	HVLP 46, e.g. Mobiloil DTE 10 Excel
		(DIN 51524 Part 3)
approx.	Refrigerant air	R134a
1000 g	conditioning system	
	Hako system mai	intenance I – after 3500 operating hours
Quantity	SP No.	Designation
1	01500200	Engine oil filter
1	01501190	Oil drain screw
1	01501200	Seal of oil drain screw
1	01500530	Oil separator crankcase venting
1	01500420	Fuel pre-filter
1	01500310	Fuel filter
1	01500640	Air filter insert
2	01472250	Roller (Suction Unit). If required!
1	01470830	Rubber apron (Suction Unit). If required!
1	01470860	Rubber apron (Suction Unit). If required!
1	01470890	Circulation water serrated (Suction Unit). If required!
1	01231950	Hose, cpl. (Circulating water system) If required!
Litres	Operating media	
approx.	Engine oil	Fuchs Titan CARGO 5W-40, specification ACEA E9,
7.2		API CK-4, or similar.

	Hako system maii	ntenance II – after 4000 operating hours			
Quantity	SP No.	Designation			
1	01500200	Engine oil filter			
1	01501190	Oil drain screw			
1	01501200	Seal of oil drain screw			
1	01500530	Oil separator crankcase venting			
1	01500420	Fuel pre-filter			
1	01500310	Fuel filter			
1	01500640	Air filter insert			
1	01500750	Safety cartridge			
1	01493180	Hydraulic oil filter			
1	01497120	Hydraulic oil tank venting filter			
1	01065540	Cab air filter for CM 1650			
1	01167520	Bowden cable coarse material flap at the suction mouth			
1	01220790	V-belt suction fan			
1	01493620	Hydraulic hose suction fan (dirth hopper)			
1	01493670	Hydraulic hose suction fan (dirth hopper)			
1	01501600	Hydraulic hose to the bypass valve.			
1	01501740	Hydraulic hose to the bypass valve.			
2	01490530	Rubber- Metal- Buffer front axle			
2	01472250	Roller (Suction Unit). If required!			
1	01470830	Rubber apron (Suction Unit). If required!			
1	01470860	Rubber apron (Suction Unit). If required!			
1	01470890	Circulation water serrated (Suction Unit). If required!			
1	01231950	Hose, cpl. (Circulating water system) If required!			
Litres	Operating media				
approx.	Engine oil	Fuchs Titan CARGO 5W-40, specification ACEA E9,			
7.2		API CK-4, or similar.			
0.5	Brake fluid	DOT 4, e.g. FTE Type 9368			
		Check proportion of water in the brake fluid. If the			
		proportion of water is greater than 3 % the brake fluid			
		must be replaced. Check brake fluid oil level and top up			
		if necessary. Or replace brake fluid every			
		2 years!			
12	VW- G13 or similar,	Ensure the mixing ratio is at least 40 % coolant			
	e.g. Total Glaself Auto	additive to 60 % water (distilled water).			
	Supra.	Never exceed the mixing ratio 60 % coolant additive to			
		40 % water (distilled water).			
		Never drive without coolant additive, even in warmer			
		climates, as the coolant additive increases the boiling			
		point, prevents corrosion in the engine and lubricates the			
		water pump and thermostat. The coolant also prevents			
		the build-up of limescale and air inclusions in the engine.			

## Hako system maintenance Citymaster 1650 – times for maintenance

The specified times for maintenance refer to the maintenance and checking work. Any repairs will be charged separately!

The specified times for maintenance refer to maintenance tasks carried out in a workshop with a lifting platform.

For maintenance tasks carried out at the customer's premises without a workshop, longer working hours must be calculated.

Hako system maintenance after	
50 operating hours (once)	
3.50 hours	
3.30 110015	
Hako system maintenance I after	Hako system maintenance I after
250 operating hours (once)	500 operating hours or annually
3.00 hours	3.50 hours
Hako system maintenance II after	Hako system maintenance I after
1000 operating hours	1500 operating hours
4.25 hours	4.75 hours
Hako system maintenance II after	Hako system maintenance I after
2000 operating hours	2500 operating hours
6.00 hours	3.50 hours
Hako system maintenance II after	Hako system maintenance I after
3000 operating hours with hydraulic oil	3500 operating hours
change	3.50 hours
7.75 hours	
Hako system maintenance II after	Hako system maintenance I after
4000 operating hours with engine coolant	4500 operating hours
change	3.50 hours
7.25 hours	
Hako system maintenance II after	Hako system maintenance I after
5000 operating hours	5500 operating hours
4.25 hours	3.50 hours

Hako system maintenance II after	Hako system maintenance I after
6000 operating hours with hydraulic oil	6500 operating hours
change	3.50 hours
8.00 hours	
Hako system maintenance II after	Hako system maintenance I after
7000 operating hours	7500 operating hours
4.25 hours	3.50 hours
Hako system maintenance II after	Hako system maintenance I after
8000 operating hours with engine coolant	8500 operating hours
change	3.50 hours
6.50 hours	

Hako-Citymaster 1	650	<ul> <li>Hako system maintenance</li> </ul>		
Hako system maintena	nce h	pefore delivery <b>A</b> (factory specification	<u>)</u>	
•		orised Hako service centre.	.,.	
Mach. No.:				
Operating hrs.:				
Customer:				
Work to be carried ou	t:		<ul> <li>✓</li> </ul>	Specifications:
Component:				
Engine	С	Check engine oil level and top up if		Fuchs Titan CARGO,
		necessary.		5W-40
	С	Check coolant level in expansion tank and		VW-G13
		top up if necessary.		40 - 60 % coolant additive (antifreeze)
Brake	С	Check service and parking brakes for		
	5	proper functioning.		
Electrical system	С	Check lighting work functions, horn, etc.		
		for proper functioning.		
	С	Fully charge the battery before delivery!		
Check software status	Р	Check the software status of the working		
of control units A01,		hydraulics, display, engine and drive		
A03, A04 and P01.		control unit (hydrostat) and carry out		
AUS, AU4 and FUT.		software updates if necessary!		
Wheels	С	Re-tighten wheel nuts.		180 Nm
Tyres	С	Check tyre air pressure.		
	С	215/ 70 R15		6.0 bar
	С	225/ 70 R15 C (standard tyres)		5.0 bar
	C	255/ 65 R16 (all-purpose tyres)		3.0 bar
	C	285/ 65 R16 C		3.2 bar
	C	320/ 55-15 T559 (lawn surface tyres)		2.8 bar
	C	325/ 60 R15		2.5 bar
				2.5 Dar
Vehicle	C	Check for transport damage.		
	С	Equip and refuel.		
	С	Check scope of delivery, including all		
	~	attachments.		
	C	Operating manual – basic machine		
	С	Operating manuals – attachments		
Test drive – functional	С	Functional check for all attachments to be		
check		delivered according to the order, check		
		completeness of the coding plugs for		
		attachments purchased from other		
		manufacturers.		

Work to be carried out:				Specifications:
Hydraulics	С	Visual inspection of the hydraulic system at the hydraulic cylinders, screw connections and hydraulic pipes for leaks and function test. The visual inspection must be carried out after the test drive.		
Hydraulics	С	Check hydraulic oil level after attaching the work equipment and the function test.		HVLP 46
Component:				
Driver briefing		incl. safety instructions and function of the coding plugs.		
Driver training ** at extra charge		Substitute driver, holiday representation, shift work		

Hako-Citymaste	er 16	50 – Hako system maintenance		
		ce work to be carried out by the operat		
Servicing and m	nainte	nance work to be carried out daily	~	Specifications:
Component:				
Engine	С	Check engine oil level, top up engine oil if necessary.		Fuchs Titan CARGO, 5W-40
Radiator	С	Check coolant level in expansion tank and radiator antifreeze, top up if necessary. Observe antifreeze for winter operation!		VW- G13 40 - 60 % coolant additive (antifreeze)
Radiator	С	Check combination radiator and radiator grille for contamination, clean with compressed air if necessary.		
Steering	С	Check emergency steering function.		
Brake	С	Check service and parking brakes for proper functioning.		
Electrical system	С	Check lighting work functions, horn, etc. for proper functioning.		
Machine cleaning		Vehicle, dirt hopper, circulating water system, suction mouth, suction tube, suction fan		
Servicing and mai	ntena	nce work to be carried out weekly	✓	Specifications:
Component:				
Engine	С	Check engine oil level, top up engine oil if necessary.		7.2 litres. Fuchs Titan CARGO, 5W-40
Radiator	С	Check coolant level in expansion tank and radiator antifreeze, top up if necessary. Observe antifreeze for winter operation!		VW- G13 40 - 60 % coolant additive (antifreeze)
Radiator	С	Check combination radiator and radiator grille for contamination, clean with compressed air if necessary.		
Fuel line	С	Empty water trap of fuel system.		
Steering	С	Check emergency steering function.		
Brake	С	Check service and parking brakes for proper functioning.		
Electrical system	С	Check lighting work functions, horn, etc. for proper functioning.		
Hydraulics	С	Check hydraulic oil level, top up if necessary.		HVLP 46
Hyuraulics		Vehicle, dirt hopper, circulating water		

Servicing and main	tena	nce work to be carried out weekly		Specifications:
			✓	
Component:				
Suction mouth	С	Check for wear and damage.		
	С	Check suction mouth setting, gap between sealing strip and ground.		at the side 5 mm, at the rear 10-15 mm
Suction duct	С	Check suction hose for damage and correct seating.		
	С	Check the seal between suction duct and dirt hopper.		
Dirt hopper	С	Check seals		
	С	Check impact plate in the dirt hopper for wear and damage, replace if necessary		
Lubrication service:		Door hinges front lift cylinder front lift sweeping unit dirt hopper/ loading platform		
$\mathbf{C}$ = Check: function,	seal	-tightness, top up, adjust		
		ace if technically necessary		

Hako-Citymaster	165	0 (1491.15 ) – Hako system ma	ainte	enance
Hako system mainter	ance	e after 50 operating hours (to be carrie	ed ou	ut once).
To be carried out by a	an au	thorised Hako service centre.		
Mach. No.:	WHW	/1491.15		
Operating hrs.:				
Customer:				
Work to be carried ou	it: Ha	ko system maintenance after	✓	Specifications:
50 operating hours (to	b be (	carried out once).		
Component:				
		Read the error memory of the engine		
		control unit, delete sporadic errors, repair		
		clear errors if necessary.		
		Check condition of diesel particulate filter and perform service regeneration if		
		necessary.		
Engine	R	Replace engine oil filter.		SP No. 01500200
	С	Check engine oil level, top up if necessary.		approx. 7.2 litres, Fuchs Titan CARGO, 5W-40
	R	Replace fuel filter.		SP No. 01500310
	С	Check coolant hoses and radiator for leaks.		
	С	Check coolant level, top up if necessary. Only top up distilled water or engine coolant!		VW- G13 or similar, e.g. Total Glaself Auto Supra.
Combination radiator	С	Check engine, charge air and hydraulic oil for contamination, clean with compressed air if necessary.		
Engine bearing assembly	С	Check engine bearings for damage, cracks and tight fit.		
V-ribbed belt	С	State and function		
Generator	С	Check generator for contamination, clean.		
Exhaust system	С	Functional and seal tightness check		
Fuel lines	С	Functional and seal tightness check		
Air intake pipe	С	Functional and seal tightness check		

Work to be carried ou	it: Ha	ko system maintenance after	<b>√</b>	Specifications:
50 operating hours (to	b be o	carried out once).		
Component:				
Vehicle control system (work hydraulics control unit)	С	Read entries in the work hydraulics control unit, eliminate fault if necessary. Check software status, update software if necessary.		
Vehicle control system (work hydraulics control unit)	С	Read entries in the hydrostatic control unit, eliminate fault if necessary. Check software status, update software if necessary.		
Hydraulics	R	Replace hydraulic oil filter		SP No. 01493180
	C	Check hydraulic oil level and top up if necessary.		HVLP 46, e.g. Mobiloil DTE 10 Excel
	С	Check hydraulic pipes and hydraulic hoses for abrasion points and damage.		
Hydraulic cylinder – sweeping unit	С	Functional and seal tightness check		
Lifting cylinder (front power lift)	С	Functional and seal tightness check		
Lifting cylinder (sweeper set-up)	С	Functional and seal tightness check		
Hydraulic pipes of basic unit	С	Functional and seal tightness check		
Hydraulic pipes of implements and attachments	С	Functional and seal tightness check		
Hand pump	С	Check function of the hand pump (raise the dirt hopper or loading platform with the hand pump).		

50 operating hours (		ako system maintenance after	V	Specifications:
		r anned out once).		
Component:				
Chassis / axles	С	Check chassis springs for damage and		
		ease of movement (visual inspection).		
	С	Check shock absorbers for any leaks.		
	С	Check bearing bushes of the axle		
		suspension for cracks and damage (visual		
		inspection).		
	С	Check stop buffers for cracks and damage		
	_	(visual inspection).		
Front axle	С	Re-tighten bolts (M14 x 1.5) of the bearing		
		bushes of the axle guides and the Panhard		
		rod to 140 Nm (8 bolts on the axle guides		
		and 2 bolts on the Panhard rod).		
Rear axle	С	Re-tighten bolts (M14 x 1.5) of the bearing		
	Ŭ	bushes of the axle guides and the Panhard		
		rod to 140 Nm (8 bolts on the axle guides		
		and 2 bolts on the Panhard rod).		
Steering	С	Functional and seal tightness check		
	С	Check steering cylinder for play.		
		Lubricate steering cylinder (4x).		
		Eventional charts lighting blinkare work		
Electrical system	С	Functional check, lighting, blinkers, work		
Electrical lines	_	functions, horn, etc. Check cables (electrical lines) for abrasion		
Electrical lines	C			
(cables)		points and damage.		
	С	Check positive and ground connections to		
		the battery and frame for tight fit and		
		abrasion points, clean if necessary. Protect		
		battery terminals with terminal grease.		
	С	Check battery charge condition.		
		Check ballery charge condition.		
Brake	С	Test service brake for proper functioning.		
	_	Test brakes.		
	С	Test parking brake for proper functioning.		
	С	Check brake hoses and brake lines for		
		damage.		
	_			
		1		1

Work to be carried o	ut: Ha	ko system maintenance after	✓	Specifications:
50 operating hours (	to be	carried out once).		
Component:				
Sweeping unit	С	Check for wear and damage.		
	С	Check sweeping level, adjust if necessary.		
Suction mouth	С	Check coarse material flap and Bowden cable as to function and damage.		
	С	Check the rod ends of the suction mouth lift for wear and damage, replace if necessary.		SP No. 01498260 SP No. 01492810
	С	Check and if necessary adjust the suction mouth setting.		Distance: at the side 5 mm, at the rear 10 mm
Suction duct	С	Check suction hose for damage and correct seating.		
	С	Check seal between suction duct and dirt hopper.		
Suction fan	С	Check suction fan for contamination, clean if necessary.		
	С	Check V-belt at the suction fan for correct V-belt tension and damage, re-tension if necessary.		
Hopper flap of the dirt hopper	С	Check seals of the hopper flap for leaks and damage.		

Work to be carried ou	it: Ha	ko system maintenance after	✓	Specifications:
50 operating hours (to	be be	carried out once).		
Component:				
Cab	С	Check and if necessary top up the		
		windscreen washing agent level.		
	С	Functional check of heater		
With air conditioning	С	Functional check of air conditioning system		
system				
With air conditioning	С	Check condenser of the air conditioning		
system		system (radiator) for contamination, clean		
		with compressed air if necessary.		
Wheels / tyres	С	Re-tighten wheel nuts.		180 Nm
Tyres	С	Check any damage, air pressure and tread		
-		depth.		
	С	215/ 70 R15		6.0 bar
	С	225/ 70 R15 C (standard tyres)		5.0 bar
	С	255/ 65 R16 (all-purpose tyres)		3.0 bar
	С	285/ 65 R16 C		3.2 bar
	С	320/ 55-15 T559 (lawn surface tyres)		2.8 bar
	С	325/ 60 R15		2.5 bar
Lubrication service:		Door hinges (4x)		
		French lift and in slam (As)		
		Front lift cylinder (4x)		
		Front lift (2x)		
		Upper link (2x)		
		Steering cylinder (4x)		
		tightness, top up, adjust		
<b>R</b> = Replace, <b>(R)</b> = F	Repla	ace if technically necessary		
Remarks; service info	ormat	ion for the customer:		
Town / city:		Date:		
Oliveratives Original				
Signature – Custome	r:			
Signature – Service te	echni	ician:		

Hako-Citymaster	165	0 (1491.15 ) – Hako system ma	ainte	enance
Hako system mainter	ance	e after <b>250</b> operating hours (to be car	ried	out once).
		thorised Hako service centre.		,
Mach. No.:	WHW	/1491.15	[	
Operating hrs.:				
Customer:				
		ko system maintenance after	~	Specifications:
250 operating hours (	to be	e carried out once).		
Component:	-			
Engine	С	Read the error memory of the engine control unit, delete sporadic errors, repair		
	С	clear errors if necessary. Check condition of diesel particulate filter and perform service regeneration if necessary.		
	С	Check engine oil level, top up if necessary.		Fuchs Titan CARGO, 5W-40
	С	Check coolant hoses and radiator for leaks.		
	С	Check coolant level, top up if necessary. Only top up distilled water or engine coolant!		VW- G13 or similar, e.g. Total Glaself Auto Supra.
Combination radiator	С	Check engine, charge air and hydraulic oil for contamination, clean with compressed air if necessary.		
Engine bearing assembly	С	Check engine bearings for damage, cracks and tight fit.		
V-ribbed belt	С	State and function		
Generator	С	Check generator for contamination, clean.		
Exhaust system	С	Functional and seal tightness check		
Fuel lines	С	Functional and seal tightness check		
Air intake pipe	С	Functional and seal tightness check		

C C	carried out once). Check hydraulic oil level and top up if necessary. Check hydraulic pipes and hydraulic hoses for abrasion points and damage. Functional and seal tightness check Functional and seal tightness check		HVLP 46, e.g. Mobiloil DTE 10 Excel
C	necessary. Check hydraulic pipes and hydraulic hoses for abrasion points and damage. Functional and seal tightness check		-
С	for abrasion points and damage. Functional and seal tightness check		
-			
С	Functional and seal tightness check		
С	Functional and seal tightness check		
С	Functional and seal tightness check		
С	Functional and seal tightness check		
-	Check function of the hand pump (raise the dirt hopper or loading platform with the hand pump).		
		<ul> <li>Functional and seal tightness check</li> <li>Functional and seal tightness check</li> <li>Check function of the hand pump (raise the dirt hopper or loading platform with the</li> </ul>	<ul> <li>Functional and seal tightness check</li> <li>Functional and seal tightness check</li> <li>Check function of the hand pump (raise the dirt hopper or loading platform with the</li> </ul>

Work to be carried of	out: Ha	ko system maintenance after	✓	Specifications:
250 operating hours				
Component:				
Chassis / axles	С	Check chassis springs for damage and		
	_	ease of movement (visual inspection).		
	С	Check shock absorbers for any leaks.		
	C	Check bearing bushes of the axle suspension for cracks and damage (visual inspection).		
	С	Check stop buffers for cracks and damage (visual inspection).		
Front axle	С	Re-tighten bolts (M14 x 1.5) of the bearing bushes of the axle guides and the Panhard rod to 140 Nm (8 bolts on the axle guides and 2 bolts on the Panhard rod).		
Rear axle	С	Re-tighten bolts (M14 x 1.5) of the bearing bushes of the axle guides and the Panhard rod to 140 Nm (8 bolts on the axle guides and 2 bolts on the Panhard rod).		
Steering	С	Functional and seal tightness check		
	С	Check steering cylinder for play. Lubricate steering cylinder (4x).		
Electrical system	С	Functional check, lighting, blinkers, work functions, horn, etc.		
Electrical lines (cables)	С	Check cables (electrical lines) for abrasion points and damage.		
	С	Check positive and ground connections to the battery and frame for tight fit and abrasion points, clean if necessary. Protect battery terminals with terminal grease.		
	С	Check battery charge condition.		
Brake	С	Test service brake for proper functioning. Test brakes.		
	С	Test parking brake for proper functioning.		
	С	Check brake hoses for damage.		

Work to be carried o	ut: Ha	ko system maintenance after	✓	Specifications:
250 operating hours	(to be	e carried out once).		
Component:				
Sweeping unit	С	Check for wear and damage.		
	С	Check and if necessary adjust the sweeping level.		
Suction mouth	С	Check coarse material flap and Bowden cable as to function and damage.		
	С	Check the rod ends of the suction mouth lift for wear and damage, replace if necessary.		SP No. 01498260 SP No. 01492810
	С	Check and if necessary adjust the suction mouth setting.		Distance: at the side 5 mm, at the rear 10 mm
Suction duct	С	Check suction hose for damage and correct seating.		
	С	Check seal between suction duct and dirt hopper.		
Suction fan	С	Check suction fan for contamination, clean if necessary.		
	С	Check V-belt at the suction fan for correct V-belt tension and damage, re-tension if necessary.		
Hopper flap of the dirt hopper	С	Check seals of the hopper flap for leaks and damage.		

Work to be carried ou	it: Ha	ko system maintenance after	<ul> <li>✓</li> </ul>	Specifications:	
250 operating hours (	to be	e carried out once).			
Component:					
Cab	С	Check and if necessary top up the			
		windscreen washing agent level.			
	С	Functional check of heater			
With air conditioning	С	Functional check of air conditioning system			
system					
With air conditioning	С	Check condenser of the air conditioning			
system	-	system (radiator) for contamination, clean			
		with compressed air if necessary.			
Wheels / tyres	С	Re-tighten wheel nuts.		180 Nm	
Tyres	С	Check any damage, air pressure and tread			
	С	depth. 215/ 70 R15		6.0 bar	
	C	225/ 70 R15 C (standard tyres)		5.0 bar	
	_			3.0 bar	
	C	255/ 65 R16 (all-purpose tyres) 285/ 65 R16 C		3.2 bar	
	C				
	C	320/ 55-15 T559 (lawn surface tyres)		2.8 bar	
	С	325/ 60 R15		2.5 bar	
Lubrication service:		Door hinges (4x)			
		Front lift cylinder (4x)			
		Front lift (2x)			
		Upper link (2x)			
		Steering cylinder (4x)			
$\mathbf{C}$ = Check: function,	seal-	tightness, top up, adjust		•	
		ace if technically necessary			
Remarks; service info	rmat	ion for the customer:			
,					
Town / city:		Date:			
Signature – Custome	r:				
-					
Signature – Service technician:					

		0 (1491.15 ) – Hako system m	aint	enance
-		e I, 500 operating hours.		
-		thorised Hako service centre.		-
Mach. No.:	WHV	V1491.15		
Operating hrs.:				
Customer:				
		iko system maintenance I,	✓	Specifications:
		OH, 2500 OH, 3500 OH, 4500 OH,		
5500 OH, 6500 OH, 7	7500	OH, 8500 OH, 9500 OH).		
Component:				
Engine	С	Read the error memory of the engine		
		control unit, delete sporadic errors, repair		
	0	clear errors if necessary. Check condition of diesel particulate filter		
	С	and perform service regeneration if		
		necessary.		
	R	Replace engine oil.		approx. 7.2 litres, Fuchs
				Titan CARGO, 5W-40
	R	Replace engine oil filter.		SP No. 01500200
	R	Oil drain screw		SP No. 01501190
	R	Seal of oil drain screw		SP No. 01501200
	R	Fuel filter		SP No. 01500310
	R	Fuel pre-filter		SP No. 01500420
	R	Oil separator crankcase venting		SP No. 01500530
	R	Air filter insert		SP No. 01500640
	С	Check coolant hoses and radiator for leaks.		
	С	Check coolant level, top up if necessary. Only top up distilled water or engine coolant!		VW- G13 or similar, e.g. Total Glaself Auto Supra.
Combination radiator	С	Check engine, charge air and hydraulic oil		
Combination radiator	Ū	for contamination, clean with compressed air if necessary.		
Engine bearing	С	Check engine bearings for damage,	1	
assembly		cracks and tight fit.		
V-ribbed belt	С	State and function	l	
Generator	С	Check generator for contamination, clean.		
Exhaust system	С	Functional and seal tightness check		
Fuel lines	С	Functional and seal tightness check		
Air intake pipe	С	Functional and seal tightness check		
			1	

Work to be carried ou	ıt: Ha	ko system maintenance I,	✓	Specifications:
		OH, 2500 OH, 3500 OH, 4500 OH,		
	•	OH, 8500 OH, 9500 OH).		
Component:				
Vehicle control	С	Read entries in the work hydraulics control		
system (work		unit, eliminate fault if necessary. Check		
hydraulics control		software status, update software if		
unit)		necessary.		
Vehicle control	С	Read entries in the hydrostatic control unit,		
		eliminate fault if necessary. Check		
system (work		software status, update software if		
hydraulics control		necessary.		
unit)				
Hydraulics	С	Check hydraulic oil level and top up if		HVLP 46, e.g. Mobiloil
		necessary.		DTE 10 Excel
	С	Check hydraulic pipes and hydraulic hoses		
		for abrasion points and damage.		
Hydraulic cylinder –	С	Functional and seal tightness check		
sweeping unit				
Lifting cylinder (front	С	Functional and seal tightness check		
power lift)				
Lifting cylinder	С	Functional and seal tightness check		
(sweeper set-up)				
Hydraulic pipes of	С	Functional and seal tightness check		
basic unit				
Hydraulic pipes of	С	Functional and seal tightness check		
implements and				
attachments				
Hand pump	С	Check function of the hand pump (raise		
		the dirt hopper or loading platform with the		
		hand pump).		
Chassis / Axles	С	Check chassis springs for damage and		
	ĻŤ	ease of movement (visual inspection).		
	С	Check shock absorbers for any leaks.		
	C	Check bearing bushes of the axle		
		suspension for cracks and damage (visual		
		inspection).		
	С	Check stop buffers for cracks and damage		
		(visual inspection).		
Stooring	С	Functional and seal tightness check		
Steering	C	Check steering cylinder for play.		
		Lubricate steering cylinder for play.		
	Ī			

Work to be carried ou	✓	Specifications:		
500 operating hours (				
		OH, 8500 OH, 9500 OH)		
Component:				
Electrical system	С	Functional check, lighting, blinkers, work functions, horn, etc.		
Electrical lines (cables)	С	Check cables (electrical lines) for abrasion points and damage.		
	С	Check positive and ground connections to the battery and frame for tight fit and abrasion points, clean if necessary. Protect battery terminals with terminal grease.		
	С	Check battery charge condition.		
Brake	C (R)	Check service brake for proper functioning and wear and carry out a brake test, replace required parts if necessary.		
	С	Check rear axle parking brake as to function.		
	С	Check proportion of water in brake fluid. If the proportion of water is greater than 3 % the brake fluid must be replaced. Check brake fluid oil level and top up if necessary. Or replace brake fluid every 2 years!		0.5 litres, DOT 4, e.g. FTE Type 9368
	С	Check brake hoses for damage.		

Work to be carried o	ut: Ha	ko system maintenance I,	✓	Specifications:
500 operating hours	(1500	OH, 2500 OH, 3500 OH, 4500 OH,		
	•	OH, 8500 OH, 9500 OH)		
Component:				
Front tool carrier	С	Check upper link for wear and damage.		
Sweeping unit	С	Check for wear and damage.		
	С	Check and if necessary adjust the sweeping level.		
Suction mouth	С	Check coarse material flap and Bowden cable as to function and damage.		
	C (R)	Check the rod ends of the suction mouth lift for wear and damage, replace if necessary.		SP No. 01498260, SP No. 01492810
	C (R)	Check rollers, rubber aprons and circulation water compartments for wear and damage. Defective or worn parts must be replaced!		SP No. 01472250 (2X) SP No. 01470890 SP No. 01470830 SP No 01470860
	С	Check and if necessary adjust the suction mouth setting.		Distance: at the side 5 mm, at the rear 10 mm
Suction duct	С	Check suction hose for damage and correct seating.		
	С	Check seal between suction duct and dirt hopper.		
Suction fan	С	Check suction fan for contamination, clean if necessary.		
	С	Check V-belt at the suction fan for correct V-belt tension and damage and, if necessary, re-tighten or replace.		
	С	Check suction fan for vibration, check bearings if necessary.		
	С	Check impeller for wear.		
Hopper flap of the dirt hopper	С	Check seals of the hopper flap for leaks and damage.		
	С	Check impact plate for wear.		
	С	Check cover joints and bearing.		Ì
	С	Check exhaust side of hopper flap for contamination.		
Hopper, circulating water system	C (R)	Hose, cpl. (Circulating water system) If required!		SP No. 01231950

Work to be carried ou	t: Ha	iko system maintenance I,	✓	Specifications:
500 operating hours (	1500	OH, 2500 OH, 3500 OH, 4500 OH,		
• • •		OH, 8500 OH, 9500 OH)		
Component:				
Cab		Clean cab air filter.		
• • • •	С	Check and if necessary top up the		
		windscreen washing agent level.		
	С	Functional check of heater		
With air conditioning system	С	Functional check of air conditioning system		
With air conditioning system	С	Check condenser of the air conditioning system (radiator) for contamination, clean with compressed air if necessary.		
Wheels / Tyres	С	Re-tighten wheel nuts.		180 Nm
Tyres	C	Check any damage, air pressure and tread		
1 9100		depth.		
	С	215/ 70 R15		6.0 bar
	С	225/ 70 R15 C (standard tyres)		5.0 bar
	С	255/ 65 R16 (all-purpose tyres)		3.0 bar
	С	285/ 65 R16 C		3.2 bar
	С	320/ 55-15 T559 (lawn surface tyres)		2.8 bar
	С	325/ 60 R15		2.5 bar
Lubrication service:		Door hinges (4x)		
		Front lift cylinder (4x)		
		Front lift (2x)		
		Upper link (2x)		
		Steering cylinder (4x)		
<b>C</b> – Chock: function	soal	tightness, top up, adjust		
		ace if technically necessary		
$\mathbf{n} = n \mathbf{c} \boldsymbol{\mu} \mathbf{a} \mathbf{c} \mathbf{c}, (\mathbf{n}) = \mathbf{r}$	vehic			
Remarks; service info	rmat	ion for the customer:		
	ma			

Town / city:

Date:

Signature – Customer:

Signature – Service technician:

Hako-Citymaster	165	0 (1491.15 ) – Hako system ma	ainte	enance
Hako system mainten	ance	e II, <b>1000</b> operating hours (5000 OH,	7000	OH).
		thorised Hako service centre.		
Mach. No.:	WHW	V1491.15		
Operating hrs.:				
Customer:				
Work to be carried ou	it: Ha	ko system maintenance II,	<ul> <li>✓</li> </ul>	Specifications:
1000 operating hours	(500	0 OH, 7000 OH).		
Component:				
Engine	С	Read the error memory of the engine control unit, delete sporadic errors, repair clear errors if necessary.		
	С	Check condition of diesel particulate filter and perform service regeneration if necessary.		
	R	Replace engine oil.		approx. 7.2 litres, Fuchs Titan CARGO, 5W-40
	R	Replace engine oil filter.		SP No. 01500200
	R	Oil drain screw		SP No. 01501190
	R	Seal of oil drain screw		SP No. 01501200
	R	Fuel filter		SP No. 01500310
	R	Fuel pre-filter		SP No. 01500420
	R	Oil separator crankcase venting		SP No. 01500530
	R	Air filter insert		SP No. 01500640
	R	Safety cartridge air filter		SP No. 01500750
	С	Check coolant hoses and radiator for leaks.		
	С	Check coolant level, top up if necessary. Only top up distilled water or engine coolant!		VW- G13 or similar, e.g. Total Glaself Auto Supra.
Combination radiator	С	Check engine, charge air and hydraulic oil for contamination, clean with compressed air if necessary.		
Engine bearing	С	Check engine bearings for damage, cracks		
assembly		and tight fit.		
V-ribbed belt	С	State and function		
Generator	С	Check generator for contamination, clean.		
Exhaust system	С	Functional and seal tightness check		
Fuel lines	С	Functional and seal tightness check		
Air intake pipe	С	Functional and seal tightness check		

		ko system maintenance II,	✓	Specifications:
1000 operating hours	(500	0 OH, 7000 OH)		
Component: Vehicle control system (work	С	Read entries in the work hydraulics control unit, eliminate fault if necessary. Check		
hydraulics control unit)		software status, update software if necessary.		
Vehicle control system (work hydraulics control unit)	С	Read entries in the hydrostatic control unit, eliminate fault if necessary. Check software status, update software if necessary.		
Hydraulics	R	Hydraulic oil filter		SP No. 01493180
	R	Venting filter hydraulic tank		SP No. 01497120
	С	Remove hydraulic oil sample and send it in. If the sample result is negative, the hydraulic oil must be replaced prematurely!		SP No. 00009720
	С	Check hydraulic oil level, top up if necessary. Please note topping up with organic oil or other oils. <b>Do not mix hydraulic oils!</b>		HVLP 46, e.g. Mobiloil DTE 10 Excel
	С	Check hydraulic pipes and hydraulic hoses for abrasion points and damage.		
Hydraulic cylinder – sweeping unit	С	Functional and seal tightness check		
Lifting cylinder (front power lift)	С	Functional and seal tightness check		
Lifting cylinder (sweeper set-up)	С	Functional and seal tightness check		
Hydraulic pipes of basic unit		Functional and seal tightness check		
Hydraulic pipes of implements and attachments	С	Functional and seal tightness check		
Hand pump	С	Check function of the hand pump (raise the dirt hopper or loading platform with the hand pump).		

Work to be carried of <b>1000</b> operating hour		ko system maintenance II,	✓	Specifications:
Component:				
Chassis / axles	С	Check chassis springs for damage and		
		ease of movement (visual inspection).		
	С	Check shock absorbers for any leaks.		
	С	Check bearing bushes of the axle suspension for cracks and damage (visual inspection).		
	С	Check stop buffers for cracks and damage (visual inspection).		
Steering	С	Functional and seal tightness check. Lubricate steering cylinder (4x).		
	С	Check steering cylinder for play.		
Electrical system	С	Functional check, lighting, blinkers, work functions, horn, etc.		
Electrical lines	С	Check cables (electrical lines) for abrasion		
(cables)		points and damage.		
	С	Check positive and ground connections to the battery and frame for tight fit and abrasion points, clean if necessary. Protect battery terminals with terminal grease.		
	С	Check battery charge condition.		
Brake	C (R)	Check service brake for proper functioning and wear and carry out a brake test, replace required parts if necessary.		
	С	Test parking brake for proper functioning.		
	(R)	Check proportion of water in brake fluid. If the proportion of water is greater than 3 % the brake fluid must be replaced. Check brake fluid oil level and top up if necessary. Or replace brake fluid every 2 years!		0.5 litres, DOT 4, e.g. FTE Type 9368
	С	Check brake hoses for damage.		
Front tool carrier	С	Check upper link for wear and damage.		

		ko system maintenance II,	✓	Specifications:
1000 operating hours	s (500	0 OH, 7000 OH)		
Component:				
Sweeping unit	С	Check for wear and damage.		
	С	Check and if necessary adjust the sweeping level.		
Suction mouth	С	Check coarse material flap and Bowden cable as to function and damage.		
	С	Check the rod ends of the suction mouth lift for wear and damage, replace if necessary.		SP No. 01498260, SP No. 01492810
	C (R) C	Check rollers, rubber aprons and circulation water compartments for wear and damage. Defective or worn parts must be replaced! Check and if necessary adjust the suction		SP No. 01472250 (2X) SP No. 01470890 SP No. 01470830 SP No 01470860 Distance:
		mouth setting.		at the side 5 mm, at the rear 10 mm
Suction duct	С	Check suction hose for damage and correct seating.		
	С	Check the seal between suction duct and dirt hopper.		
Suction fan	С	Check suction fan for contamination and, if necessary, clean.		
	С	Check V-belt at the suction fan for correct V-belt tension and damage, re-tension or replace if necessary.		
	С	Check suction fan for vibration, check bearings if necessary.		
	С	Check impeller for wear.		
Hopper flap of the dirt hopper	С	Check the seals of the hopper lid for tightness and damage.		
	С	Check impact plate for wear.		
	С	Check cover joints and bearing.		
	С	Check exhaust side of hopper flap for contamination.		
Hopper, circulating water system	C (R)	Hose, cpl. (Circulating water system) If required!		SP No. 01231950

Work to be carried ou	t: Ha	ko system maintenance II,	<ul> <li>✓</li> </ul>	Specifications:
1000 operating hours				
Component:				
Cab	R	Cab air filter		SP No. 01065540
	С	Check and if necessary top up the		
		windscreen washing agent level.		
	С	Functional check of heater		
With air conditioning system	С	Functional check of air conditioning system		
With air conditioning	С	Check condenser of the air conditioning		
system	Ũ	system (radiator) for contamination, clean		
		with compressed air if necessary.		
	6	De tighten wheel nute		190 Nm
Wheels / tyres	C	Re-tighten wheel nuts.		180 Nm
Tyres	С	Check any damage, air pressure and tread depth.		
	С	215/ 70 R15		6.0 bar
	С	225/ 70 R15 C (standard tyres)		5.0 bar
	С	255/ 65 R16 (all-purpose tyres)		3.0 bar
	С	285/ 65 R16 C		3.2 bar
	С	320/ 55-15 T559 (lawn surface tyres)		2.8 bar
	С	325/ 60 R15		2.5 bar
Lubrication service:		Door hinges (4x)		
		Front lift cylinder (4x)		
		Front lift (2x)		
		Upper link (2x)		
		Steering cylinder (4x)		
	C C	285/ 65 R16 C 320/ 55-15 T559 (lawn surface tyres) 325/ 60 R15 Door hinges (4x) Front lift cylinder (4x) Front lift (2x) Upper link (2x)		3.2 bar 2.8 bar

C = Check: function, seal-tightness, top up, adjust R = Replace, (R) = Replace if technically necessary

Remarks; service information for the customer:

Town / city:

Date:

Signature – Customer:

Signature – Service technician:

Haka Citumaata	× 165	0 (1401 15 ) Haka avatam ma	t	010100
-		<b>0 (1491.15 ) – Hako system ma</b> e I, 500 operating hours ( <b>1500 OH</b> , 25		
-		7500 OH, 8500 OH, 9500 OH).		JH, 3300 OH, 4300
		uthorised Hako service centre.		
-				Γ
Mach. No.:	WHV	/1491.15		
Operating hrs.:				
Customer:				
Mark to be corriad.		aka ayatam maintananaa l		Creationa
		ako system maintenance I,	v	Specifications:
• •	•	<b>OH</b> , 2500 OH, 3500 OH, 0500 OH)		
4500 OH, 5500 OH	, 6500	OH, 7500 OH, 8500 OH, 9500 OH).		
Assembly				
Engine	С	Read the error memory of the engine		
-		control unit, delete sporadic errors, repair		
	С	clear errors if necessary. Check condition of diesel particulate filter		
	C	and perform service regeneration if		
		necessary.		
	R	Replace engine oil.		approx. 7.2 litres, Fuchs
				Titan CARGO, 5W-40
	R	Replace engine oil filter.		SP No. 01500200
	R	Oil drain screw		SP No. 01501190
	R	Seal of oil drain screw		SP No. 01501200
	R	Fuel filter		SP No. 01500310
	R	Fuel pre-filter		SP No. 01500420
	R	Oil separator crankcase venting		SP No. 01500530
	R	Air filter insert		SP No. 01500640
	С	Check coolant hoses and radiator for leaks.		
	С	Check coolant level, top up if necessary.		VW- G13 or similar, e.g.
		Only top up distilled water or engine		Total Glaself Auto Supra.
_		coolant!		
Combination	С	Check engine, charge air and hydraulic oil		
radiator		for contamination, clean with compressed air if necessary.		
Engine bearing	С	Check engine bearings for damage, cracks		
assembly		and tight fit.		
V-ribbed belt	С	State and function		
Generator	С	Check generator for contamination, clean.		
Exhaust system	С	Functional and seal tightness check		
Fuel lines	С	Functional and seal tightness check		
Air intake pipe	С	Functional and seal tightness check		
		ř – – – – – – – – – – – – – – – – – – –		1

Work to be carried ou	It: Ha	ako system maintenance I,	✓	Specifications:
		<b>O OH</b> , 2500 OH, 3500 OH, 4500 OH,		opeointeatione.
	•	OH, 8500 OH, 9500 OH)		
Assembly				
Vehicle control system (work hydraulics control unit)	С	Read entries in the work hydraulics control unit, eliminate fault if necessary. Check software status, update software if necessary.		
Vehicle control system (work hydraulics control unit)	С	Read entries in the hydrostatic control unit, eliminate fault if necessary. Check software status, update software if necessary.		
Hydraulics	С	Check hydraulic oil level, top up if necessary. Please note topping up with organic oil or other oils. <b>Do not mix hydraulic oils!</b>		HVLP 46, e.g. Mobiloil DTE 10 Excel
	С	Check hydraulic pipes and hydraulic hoses for abrasion points and damage.		
Hydraulic cylinder – sweeping unit	С	Functional and seal tightness check		
Lifting cylinder (front power lift)	С	Functional and seal tightness check		
Lifting cylinder (sweeper set-up)	С	Functional and seal tightness check		
Hydraulic pipes of basic unit	С	Functional and seal tightness check		
Hydraulic pipes of implements and attachments	С	Functional and seal tightness check		
Hand pump	С	Check function of the hand pump (raise the dirt hopper or loading platform with the hand pump).		
Chassis / Axles	С	Check chassis springs for damage and		
		ease of movement (visual inspection).		
	С	Check shock absorbers for any leaks.	ļ	
	С	Check bearing bushes of the axle suspension for cracks and damage (visual inspection).		
	С	Check stop buffers for cracks and damage (visual inspection).		
Steering	С	Functional and seal tightness check		
	С	Check steering cylinder for play. Lubricate steering cylinder (4x).		

Work to be carried ou	it: Ha	ako system maintenance I,	<ul> <li>✓</li> </ul>	Specifications:
500 operating hours (	(1500	<b>OH</b> , 2500 OH, 3500 OH, 4500 OH,		
5500 OH, 6500 OH, 7	, 7500	OH, 8500 OH, 9500 OH)		
Assembly				
Electrical system	С	Functional check, lighting, blinkers, work functions, horn, etc.		
Electrical lines (cables)	С	Check cables (electrical lines) for abrasion points and damage.		
	С	Check positive and ground connections to the battery and frame for tight fit and abrasion points, clean if necessary. Protect battery terminals with terminal grease.		
	С	Check battery charge condition.		
Brake	C (R)	Check service brake for proper functioning and wear and carry out a brake test, replace required parts if necessary.		
	С	Test parking brake for proper functioning.		
	(R)	Check proportion of water in brake fluid. If the proportion of water is greater than 3 % the brake fluid must be replaced. Check brake fluid oil level and top up if necessary. Or replace brake fluid every 2 years!		0.5 litres, DOT 4, e.g. FTE Type 9368
	С	Check brake hoses for damage.		
Front tool carrier	С	Check upper link for wear and damage.		

Work to be carried o	ut: Ha	ako system maintenance I,	✓	Specifications:
		<b>OOH</b> , 2500 OH, 3500 OH, 4500 OH,		
	•	OH, 8500 OH, 9500 OH)		
Assembly				
Sweeping unit	С	Check for wear and damage.		
	С	Check and if necessary adjust the sweeping level.		
	R	Bearing block (2-broom- system) (2X)		SP No. 01493820
	R	Bushing (2-broom- system) (4X)		SP No.01060940
	R	Bushing (2-broom- system) (4X)		SP No.01060950
	R	Comb (2-broom- system) (2X)		SP No.01493640
Suction mouth	С	Check coarse material flap and Bowden cable as to function and damage.		
	С	Check the rod ends of the suction mouth lift for wear and damage, replace if necessary.		SP No. 01498260, SP No. 01492810
	С	Check rollers, rubber aprons and		SP No. 01472250 (2X)
	(R)	circulation water compartments for wear and damage. Defective or worn parts must be replaced!		SP No. 01470890 SP No. 01470830 SP No 01470860
	С	Check and if necessary adjust the suction mouth setting.		Distance: at the side 5 mm,
Suction duct	С	Check suction hose for damage and correct seating.		
	С	Check seal between suction duct and dirt hopper.		
Suction fan	С	Check suction fan for contamination, clean if necessary.		
	С	Check V-belt at the suction fan for correct V-belt tension and damage and, if necessary, re-tighten or replace.		
	С	Check suction fan for vibration, check bearings if necessary.		
	С	Check impeller for wear.		
Hopper flap of the dirt hopper	С	Check seals of the hopper flap for leaks and damage.		
· · ·	С	Check impact plate for wear.		
	С	Cover joints and bearing		
	С	Check exhaust side of hopper flap for contamination.		
Hopper, circulating water system	C (R)	Hose, cpl. (Circulating water system) If required!		SP No. 01231950

Work to be carried ou	it: Ha	ako system maintenance I,	<ul> <li>✓</li> </ul>	Specifications:
500 operating hours ( <b>1500 OH</b> , 2500 OH, 3500 OH, 4500 OH,				
		OH, 8500 OH, 9500 OH)		
Assembly				
Cab	С	Clean the cab air filter.		
	С	Check and if necessary top up the		
	-	windscreen washing agent level.		
	С	Functional check of heater		
With air conditioning system	С	Functional check of air conditioning system		
With air conditioning	С	Check condenser of the air conditioning		
system		system (radiator) for contamination, clean with compressed air if necessary.		
	•			400.01
Wheels / Tyres	C	Re-tighten wheel nuts.		180 Nm
Tyres	С	Check any damage, air pressure and tread depth.		
	С	215/ 70 R15		6.0 bar
	С	225/ 70 R15 C (standard tyres)		5.0 bar
	С	255/ 65 R16 (all-purpose tyres)		3.0 bar
	С	285/ 65 R16 C		3.2 bar
	С	320/ 55-15 T559 (lawn surface tyres)		2.8 bar
	С	325/ 60 R15		2.5 bar
Lubrication service:		Door hinges (4x)		
		Front lift cylinder (4x)		
		Front lift (2x)		
		Upper link (2x)		
		Steering cylinder (4x)		
C = Check: function,	seal-	tightness, top up, adjust		
		ce if technically necessary		
Remarks; service info	ormat	ion for the customer:		
Town / city:		Date:		
Signature – Custome	r:			
Signature – Service technician:				

Hako-Citymaster	165	0 (1491.15 ) – Hako system ma	ainte	enance
Hako system mainten	ance	e II extended, <b>2000</b> operating hours.		
To be carried out by a	an au	thorised Hako service centre.		
Mach. No.:				
Operating hrs.:				
Customer:				
Work to be carried ou	it: Ha	ko system maintenance II extended,	<ul> <li>✓</li> </ul>	Specifications:
2000 operating hours				
Component:				
Engine	С	Read the error memory of the engine		
0		control unit, delete sporadic errors, repair		
		clear errors if necessary.		
	С	Check condition of diesel particulate filter and perform service regeneration if		
		necessary.		
	R	Replace engine oil.		approx. 7.2 litres, Fuchs
				Titan CARGO, 5W-40
	R	Replace engine oil filter.		SP No. 01500200
	R	Oil drain screw		SP No. 01501190
	R	Seal of oil drain screw		SP No. 01501200
	R	Fuel filter		SP No. 01500310
	R	Fuel pre-filter		SP No. 01500420
	R	Oil separator crankcase venting		SP No. 01500530
	R	Air filter insert		SP No. 01500640
	R	Safety cartridge air filter		SP No. 01500750
	С	Check coolant hoses and radiator for leaks.		
	С	Check coolant level, top up if necessary.		VW- G13 or similar, e.g.
		Only top up distilled water or engine coolant!		Total Glaself Auto Supra.
Combination radiator	С	Check engine, charge air and hydraulic oil		
		for contamination, clean with compressed		
Engine bearing	С	air if necessary. Check engine bearings for damage, cracks		
assembly	U	and tight fit.		
V-ribbed belt	С	State and function		
Generator	С	Check generator for contamination, clean.		
Exhaust system	С	Functional and seal tightness check		
Fuel lines	С	Functional and seal tightness check		
Air intake pipe	С	Functional and seal tightness check		

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		ko system maintenance II extended,	✓	Specifications:
2000 operating hours				
Component:				
Vehicle control	С	Read entries in the work hydraulics control unit, eliminate fault if necessary. Check		
system (work		software status, update software if		
hydraulics control		necessary.		
unit)		-		
Vehicle control	С	Read entries in the hydrostatic control unit,		
system (work		eliminate fault if necessary. Check software		
hydraulics control		status, update software if necessary.		
unit)				
Hydraulics	R	Hydraulic oil filter		SP No. 01493180
	R	Venting filter hydraulic tank		SP No. 01497120
	C	Remove hydraulic oil sample and send it in.		SP No. 00009720
		If the sample result is negative, the		
		hydraulic oil must be replaced		
		prematurely!		
	Р	Hudroulia hass sustian for (dirth hasper)		SD No. 01402620
	R	Hydraulic hose suction fan (dirth hopper)		SP No. 01493620
	R	Hydraulic hose suction fan (dirth hopper)		SP No. 01493670
	R	Hydraulic hose to the bypass valve.		SP No. 01501600
	R	Hydraulic hose to the bypass valve.		SP No. 01501740
	С	Check hydraulic oil level, top up if		HVLP 46, e.g. Mobiloil
		necessary. Please note topping up with		DTE 10 Excel
		organic oil or other oils.		
	0	<b>Do not mix hydraulic oils!</b> Check hydraulic pipes and hydraulic hoses		
	С	for abrasion points and damage.		
Hydraulic cylinder –	С	Functional and seal tightness check		
sweeping unit	Ŭ			
Lifting cylinder (front	С	Functional and seal tightness check		
power lift)				
Lifting cylinder	С	Functional and seal tightness check		
(sweeper set-up)	С	Functional and seal tightness check		
Hydraulic pipes of		n uncuonal and seal lightness check		
basic unit	<u> </u>	Eurotional and applitications sharts		
Hydraulic pipes of	С	Functional and seal tightness check		
implements and				
attachments				
Hand pump	С	Check function of the hand pump (raise the		
		dirt hopper or loading platform with the hand pump).		

		ko system maintenance II extended,	✓	Specifications:
2000 operating hour	S.			
Component:				
Chassis / axles	С	Check chassis springs for damage and		
		ease of movement (visual inspection).		
	С	Check shock absorbers for any leaks.		
	С	Check bearing bushes of the axle		
		suspension for cracks and damage (visual		
		inspection).		
	С	Check stop buffers for cracks and damage		
	R	(visual inspection). Rubber- Metal- Buffer front axle (2X)		SP No. 01490530
Stooring	C	Functional and seal tightness check		01 110.01430330
Steering	C	Check steering cylinder for play.		
	Ŭ	Lubricate steering cylinder (4x).		
Electrical system	С	Functional check, lighting, blinkers, work		
		functions, horn, etc.		
Electrical lines	С	Check cables (electrical lines) for abrasion		
(cables)		points and damage.		
	С	Check positive and ground connections to		
		the battery and frame for tight fit and		
		abrasion points, clean if necessary. Protect		
		battery terminals with terminal grease.		
	С	Check battery charge condition.		
Brake	С	Check service brake for proper functioning		
Diake	(R)	and wear and carry out a brake test,		
	```	replace required parts if necessary.		
	С	Test parking brake for proper functioning.		
	С	Check proportion of water in brake fluid. If		
	(R)	the proportion of water is greater than 3 %		
		the brake fluid must be replaced. Check		
		brake fluid oil level and top up if necessary.		
		Or replace brake fluid every 2 years!		
	С	Check brake hoses for damage.		
Front tool carrier	С	Check upper link for wear and damage.		
				1

Work to be carried o	ut: Ha	ko system maintenance II extended,	✓	Specifications:
2000 operating hours	s.			
Component:				
Sweeping unit	С	Check for wear and damage.		
	С	Check and if necessary adjust the		
		sweeping level.		
Suction mouth		Bowden cable coarse material flap at the		SP No. 01167520
		suction mouth.		
Suction mouth	С	Check coarse material flap as to function		SP no. 01167520
		and damage. Replace Bowden cable.		
	С	Check the rod ends of the suction mouth lift		SP No. 01498260,
		for wear and damage, replace if necessary.		SP No. 01492810
	С	Check rollers, rubber aprons and		SP No. 01472250 (2X)
	(R)	circulation water compartments for wear		SP No. 01470890
		and damage. Defective or worn parts must		SP No. 01470830
		be replaced!		SP No 01470860
	С	Check and if necessary adjust the suction		Distance:
		mouth setting.		at the side 5 mm,
	-	Check queties have for demons and		at the rear 10 mm
Suction duct	С	Check suction hose for damage and correct seating.		
	С	Check the seal between suction duct and		
	Ŭ	dirt hopper.		
Suction fan	R	V-belt suction fan		SP No. 01220790
	С	Check suction fan for contamination, clean		
		if necessary.		
	С	Check V-belt at the suction fan for correct		
		V-belt tension and damage and, if		
		necessary, re-tighten or replace.		
	С	Check suction fan for vibration, check		
	С	bearings if necessary. Check impeller for wear.		
llennerfler of the	-	•		
Hopper flap of the		Check seals of the hopper flap for leaks and damage.		
dirt hopper		,		
	С	Check impact plate for wear.		
	С	Cover joints and bearing.		
	С	Check exhaust side of hopper flap for contamination.		
Hopper, circulating	С	Hose, cpl. (Circulating water system) If		SP No. 01231950
water system	(R)	required!		

Work to be carried out: Hako system maintenance II extended, <b>2000</b> operating hours.				Specifications:	
Component:	•				
Cab	R	Cab air filter		SP No. 01065540	
	C	Check and if necessary top up the		51 110. 01005340	
		windscreen washing agent level.			
	С	Functional check of heater			
With air conditioning	С	Functional check of air conditioning system			
system					
With air conditioning	С	Check condenser of the air conditioning			
system		system (radiator) for contamination, clean			
•		with compressed air if necessary.			
Wheels / tyres	С	Re-tighten wheel nuts.		180 Nm	
Tyres	С	Check any damage, air pressure and tread			
	С	depth. 215/ 70 R15		6.0 bar	
	C	225/ 70 R15 C (standard tyres)		5.0 bar	
	C	255/ 65 R16 (all-purpose tyres)		3.0 bar	
	C	285/ 65 R16 C		3.2 bar	
	C	320/ 55-15 T559 (lawn surface tyres)		2.8 bar	
	C	325/ 60 R15		2.5 bar	
Lubrication service:		Door hinges (4x)			
		Front lift cylinder (4x)			
		Front lift (2x)			
		Upper link (2x)			
		Steering cylinder (4x)			
C = Check: function,	seal·	-tightness, top up, adjust			
<b>R</b> = Replace, <b>(R)</b> = F	Repla	ace if technically necessary			
Remarks; service info	rmat	ion for the customer:			
Town / city:		Date:			
Signature – Custome	r:				
Signature – Service te	Signature – Service technician:				

Hako-Citymaster	165	0 (1491.15 ) – Hako system ma	ainte	enance
		e I, 500 operating hours (1500 OH, <b>25</b>	500 C	<b>)H</b> , 3500 OH,
4500 OH, 5500 OH, 6	500	OH, 7500 OH, 8500 OH, 9500 OH).		
To be carried out by a	an au	thorised Hako service centre.		
Mach. No.:				
Operating hrs.:				
Customer:	-			
Work to be carried ou	t: Ha	ko system maintenance I,	<ul> <li>✓</li> </ul>	Specifications:
500 operating hours (	1500	OH, <b>2500 OH</b> , 3500 OH, 4500 OH,		
5500 OH, 6500 OH, 7	500	OH, 8500 OH, 9500 OH)		
Component:				
Engine	С	Read the error memory of the engine		
		control unit, delete sporadic errors, repair		
	С	clear errors if necessary. Check condition of diesel particulate filter		
	Ŭ	and perform service regeneration if		
		necessary.		
	R	Replace engine oil.		approx. 7.2 litres, Fuchs
	R	Replace engine oil filter.		Titan CARGO, 5W-40 SP No. 01500200
	R	Oil drain screw		SP No. 01501200
	R	Seal of oil drain screw		SP No. 01501190
	R	Fuel filter		SP No. 01500310
	R	Fuel pre-filter		SP No. 01500420
	R	Oil separator crankcase venting		SP No. 01500530
	R	Air filter insert		SP No. 01500640
	C	Check coolant hoses and radiator for leaks.		
	Ŭ			
	С	Check coolant level, top up if necessary.		VW- G13 or similar, e.g.
		Only top up distilled water or engine		Total Glaself Auto Supra.
Combination radiator	С	coolant! Check engine, charge air and hydraulic oil		
	U	for contamination, clean with compressed		
		air if necessary.		
Engine bearing	С	Check engine bearings for damage, cracks		
assembly		and tight fit.		
V-ribbed belt	С	State and function		
Generator	С	Check generator for contamination, clean.		
Exhaust system	С	Functional and seal tightness check		
Fuel lines	С	Functional and seal tightness check		
Air intake pipe	С	Functional and seal tightness check		

500 operating hours (	1500	ko system maintenance I, OH, <b>2500 OH</b> , 3500 OH, 4500 OH, OH, 8500 OH, 9500 OH)	✓	Specifications:
Component: Vehicle control system (work hydraulics control unit)	С	Read entries in the work hydraulics control unit, eliminate fault if necessary. Check software status, update software if necessary.		
Vehicle control system (work hydraulics control unit)	С	Read entries in the hydrostatic control unit, eliminate fault if necessary. Check software status, update software if necessary.		
Hydraulics	C	Check hydraulic oil level, top up if necessary. Please note topping up with organic oil or other oils. <b>Do not mix hydraulic oils!</b>		HVLP 46, e.g. Mobiloil DTE 10 Excel
	С	Check hydraulic pipes and hydraulic hoses for abrasion points and damage.		
Hydraulic cylinder – sweeping unit	С	Functional and seal tightness check		
Lifting cylinder (front power lift)	С	Functional and seal tightness check		
Lifting cylinder (sweeper set-up)	С	Functional and seal tightness check		
Hydraulic pipes of basic unit	С	Functional and seal tightness check		
Hydraulic pipes of implements and attachments	С	Functional and seal tightness check		
Hand pump	С	Check function of the hand pump (raise the dirt hopper or loading platform with the hand pump).		
Chassis / axles	С	Check chassis springs for damage and		
		ease of movement (visual inspection).		
	С	Check shock absorbers for any leaks.		
	C	Check bearing bushes of the axle suspension for cracks and damage (visual inspection).		
	С	Check stop buffers for cracks and damage (visual inspection).		

Work to be carried o 500 operating hours 4500 OH, 5500 OH,	✓	Specifications:		
Component:				
Steering	С	Functional and seal tightness check		
¥	С	Check steering cylinder for play. Lubricate steering cylinder (4x).		
Electrical system	С	Functional check, lighting, blinkers, work functions, horn, etc.		
Electrical lines (cables)	С	Check cables (electrical lines) for abrasion points and damage.		
	С	Check positive and ground connections to the battery and frame for tight fit and abrasion points, clean if necessary. Protect battery terminals with terminal grease.		
	С	Check battery charge condition.		
Brake	C (R)	Check service brake for proper functioning and wear and carry out a brake test, replace required parts if necessary.		
	С	Test parking brake for proper functioning.		
	(R)	Check proportion of water in brake fluid. If the proportion of water is greater than 3 % the brake fluid must be replaced. Check brake fluid oil level and top up if necessary. Or replace brake fluid every 2 years!		0.5 litres, DOT 4, e.g. FTE Type 9368
	С	Check brake hoses for damage.		
Front tool carrier	С	Check upper link for wear and damage.		

Work to be carried o	ut: Ha	ako system maintenance I,	✓	Specifications:
500 operating hours	(1500	OH, <b>2500 OH</b> , 3500 OH, 4500 OH,		
	•	OH, 8500 OH, 9500 OH)		
Component:				
Sweeping unit	С	Check for wear and damage.		
	С	Check sweeping level, adjust if necessary.		
Suction mouth	С	Check coarse material flap and Bowden cable as to function and damage.		
	С	Check the rod ends of the suction mouth lift for wear and damage, replace if necessary.		SP No. 01498260, SP No. 01492810
	C (R)	Check rollers, rubber aprons and circulation water compartments for wear and damage. Defective or worn parts must be replaced!		SP No. 01472250 (2X) SP No. 01470890 SP No. 01470830 SP No 01470860
	С	Check and if necessary adjust the suction mouth setting.		Distance: at the side 5 mm, at the rear 10 mm
Suction duct	С	Check suction hose for damage and correct seating.		
	С	Check seal between suction duct and dirt hopper.		
Suction fan	С	Check suction fan for contamination, clean if necessary.		
	С	Check V-belt at the suction fan for correct V-belt tension and damage and, if necessary, re-tighten or replace.		
	С	Check suction fan for vibration, check bearings if necessary.		
	С	Check impeller for wear.		
Hopper flap of the dirt hopper	С	Check seals of the hopper flap for leaks and damage.		
-1.1	С	Check impact plate for wear.		ĺ
	С	Cover joints and bearing.		
	С	Check exhaust side of hopper flap for contamination.		
Hopper, circulating water system	C (R)	Hose, cpl. (Circulating water system) If required!		SP No. 01231950

Work to be carried ou	it: Ha	ko system maintenance I,	✓	Specifications:
		OH, <b>2500 OH</b> , 3500 OH, 4500 OH,		'
		OH, 8500 OH, 9500 OH)		
Component:		- , , <b>,</b>		
Cab	С	Clean cab air filter		
	С	Check and if necessary top up the		
		windscreen washing agent level.		
	С	Functional check of heater		
With air conditioning	С	Functional check of air conditioning system		
system				
With air conditioning	С	Check condenser of the air conditioning		
system		system (radiator) for contamination, clean		
		with compressed air if necessary.		
Wheels / tyres	С	Re-tighten wheel nuts.		180 Nm
Tyres	С	Check any damage, air pressure and tread		
,		depth.		
	С	215/ 70 R15		6.0 bar
	С	225/ 70 R15 C (standard tyres)		5.0 bar
	С	255/ 65 R16 (all-purpose tyres)		3.0 bar
	С	285/ 65 R16 C		3.2 bar
	С	320/ 55-15 T559 (lawn surface tyres)		2.8 bar
	С	325/ 60 R15		2.5 bar
Lubrication service:		Door hinges (4x)		
		Front lift cylinder (4x)		
		Front lift (2x)		
		Upper link (2x)		
		Steering cylinder (4x)		
<b>C</b> = Check: function,	seal-	tightness, top up, adjust		
<b>R</b> = Replace, <b>(R)</b> = <i>I</i>	Repla	ce if technically necessary		
Remarks; service info	ormat	ion for the customer:		
Town / city:		Date:		
Signature – Custome	r:			
Signature – Service technician:				

Hako-Citymaster	165	0 (1491.15 ) – Hako system ma	ainte	enance
Hako system mainten	ance	e II extended, 3000 operating hours (6	000	OH, 9000 OH).
-		thorised Hako service centre.		,
Mach. No.:				
Operating hrs.:				
Customer:				
Work to be carried ou	it: Ha	ko system maintenance II extended,	✓	Specifications:
3000 operating hours	(600	00 OH, 9000 OH).		
Component:				
Engine	С	Read the error memory of the engine		
5		control unit, delete sporadic errors, repair		
	-	clear errors if necessary.		
	С	Check condition of diesel particulate filter		
		and perform service regeneration if necessary.		
	R	Replace engine oil.		approx. 7.2 litres, Fuchs
				Titan CARGO, 5W-40
	R	Replace engine oil filter.		SP No. 01500200
	R	Oil drain screw		SP No. 01501190
	R	Seal of oil drain screw		SP No. 01501200
	R	Fuel filter		SP No. 01500310
	R	Fuel pre-filter		SP No. 01500420
	R	Oil separator crankcase venting		SP No. 01500530
	R	Air filter insert		SP No. 01500640
	R	Safety cartridge air filter		SP No. 01500750
	С	Check coolant hoses and radiator for leaks.		
	С	Check coolant level, top up if necessary.		VW- G13 or similar, e.g.
	_	Only top up distilled water or engine		Total Glaself Auto Supra.
		coolant!		
Combination radiator	С	Check engine, charge air and hydraulic oil		
		for contamination, clean with compressed air if necessary.		
Engine bearing	С	Check engine bearings for damage, cracks		
assembly	-	and tight fit.		
V-ribbed belt	R	V-ribbed belt		SP No. 01501230
	R	Automatic belt tensioner		SP No. 01501210
Generator	С	Check generator for contamination, clean.		
		_		
Exhaust system	С	Functional and seal tightness check		
Fuel lines	С	Functional and seal tightness check		
Air intake pipe	С	Functional and seal tightness check		

Work to be carried ou	it: Ha	ko system maintenance II extended,	✓	Specifications:	
<b>3000</b> operating hours (6000 OH, 9000 OH).					
Component:					
Vehicle control system (work hydraulics control unit)	С	Read entries in the work hydraulics control unit, eliminate fault if necessary. Check software status, update software if necessary.			
Vehicle control system (work hydraulics control unit)	С	Read entries in the hydrostatic control unit, eliminate fault if necessary. Check software status, update software if necessary.			
		11. Les Provid Charles		0D NL 04400400	
Hydraulics	R	Hydraulic oil filter		SP No. 01493180	
	R	Venting filter hydraulic tank		SP No. 01497120	
	R	Replace hydraulic oil. Check hydraulic oil level, top up if necessary. Note: Please note topping up with organic oil or other oils. <b>Do not mix hydraulic oils!</b>		approx. 58 litres HVLP 46, e.g. Mobiloil DTE 10 Excel	
	С	Check hydraulic pipes and hydraulic hoses for abrasion points and damage.			
Hydraulic cylinder – sweeping unit	С	Functional and seal tightness check			
Lifting cylinder (front power lift)	С	Functional and seal tightness check			
Lifting cylinder (sweeper set-up)	С	Functional and seal tightness check			
Hydraulic pipes of basic unit	С	Functional and seal tightness check			
Hydraulic pipes of implements and attachments	С	Functional and seal tightness check			
Hand pump	С	Check function of the hand pump (raise the dirt hopper or loading platform with the hand pump).			

		ko system maintenance II extended,	~	Specifications:
<b>3000</b> operating hou		Ю ОН, 9000 ОН). Г		
Component: Chassis / axles	С	Check chassis springs for damage and		
	-			
		ease of movement (visual inspection).		
	C	Check shock absorbers for any leaks.		
	С	Check bearing bushes of the axle suspension for cracks and damage (visual inspection).		
	С	Check stop buffers for cracks and damage (visual inspection).		
Steering	С	Functional and seal tightness check		
	С	Check steering cylinder for play. Lubricate steering cylinder (4x).		
Electrical system	С	Functional check, lighting, blinkers, work functions, horn, etc.		
Electrical lines (cables)	С	Check cables (electrical lines) for abrasion points and damage.		
	С	Check positive and ground connections to the battery and frame for tight fit and abrasion points, clean if necessary. Protect battery terminals with terminal grease.		
	С	Check battery charge condition.		
Brake	C (R)	Check service brake for proper functioning and wear and carry out a brake test, replace required parts if necessary.		
	С	Test parking brake for proper functioning.		
	(R)	Check proportion of water in brake fluid. If the proportion of water is greater than 3 % the brake fluid must be replaced. Check brake fluid oil level and top up if necessary. Or replace brake fluid every 2 years!		0.5 litres, DOT 4, e.g. FTE Type 9368
	С	Check brake hoses for damage.		
Front lift	R	Rear bolt of front lift.		SP No. 01472330
Front tool carrier	С	Check upper link for wear and damage.		

		ko system maintenance II extended,	✓	Specifications:
3000 operating hours				
Component:				
Sweeping unit	С	Check for wear and damage.		
	С	Check sweeping level, adjust if necessary.		
	R	Bearing block (2-broom- system) (2X)		SP No. 01493820
	R	Bushing (2-broom- system) (4X)		SP No.01060940
	R	Bushing (2-broom- system) (4X)		SP No.01060950
	R	Comb (2-broom- system) (2X)		SP No.01493640
Suction mouth	С	Check coarse material flap and Bowden cable as to function and damage.		
	С	Check the rod ends of the suction mouth lift		SP No. 01498260,
	Ũ	for wear and damage, replace if necessary.		SP No. 01492810
	C (R)	Check rollers, rubber aprons and circulation water compartments for wear and damage. Defective or worn parts must be replaced!		SP No. 01472250 (2X) SP No. 01470890 SP No. 01470830 SP No. 01470860
	С	Check and if necessary adjust the suction mouth setting.		Distance: at the side 5 mm, at the rear 10 mm
Suction duct	С	Check suction hose for damage and correct seating.		
	С	Check the seal between suction duct and dirt hopper.		
Suction fan	С	Check suction fan for contamination, clean if necessary.		
	С	Check V-belt at the suction fan for correct V-belt tension and damage and, if necessary, re-tighten or replace.		
	С	Check suction fan for vibration, check bearings if necessary.		
	С	Check impeller for wear.		1
Hopper flap of the dirt hopper	С	Check seals of the hopper flap for leaks and damage.		
	С	Check impact plate for wear.		
	C	Cover joints and bearing.		
	C	Check exhaust side of hopper flap for contamination.		
Hopper, circulating water system	C (R)	Hose, cpl. (Circulating water system) If required!		SP No. 01231950

Work to be carried ou 3000 operating hours		ako system maintenance II extended, 00 OH, 9000 OH).	✓	Specifications:
Component:				
Cab	R	Cab air filter		SP No. 01065540
	С	Check and if necessary top up the		
		windscreen washing agent level.		
	С	Functional check of heater		
With air conditioning	С	Functional check of air conditioning system		
system				
With air conditioning	С	Check condenser of the air conditioning		
system		system (radiator) for contamination, clean		
,		with compressed air if necessary.		
Wheels / tyres	С	Re-tighten wheel nuts.		180 Nm
Tyres	С	Check any damage, air pressure and tread		
-	-	depth.		
	С	215/ 70 R15		6.0 bar
	С	225/ 70 R15 C (standard tyres)		5.0 bar
	С	255/ 65 R16 (all-purpose tyres)		3.0 bar
	С	285/ 65 R16 C		3.2 bar
	С	320/ 55-15 T559 (lawn surface tyres)		2.8 bar
	С	325/ 60 R15		2.5 bar
Lubrication service:		Door hinges (4x)		
		Front lift cylinder (4x)		
		Front lift (2x)		
		Upper link (2x)		
		Steering cylinder (4x)		
		tightness, top up, adjust		
<b>R</b> = Replace, <b>(R)</b> = F	Repla	ace if technically necessary		
Remarks; service info	ormat	ion for the customer:		
I own / city:	Town / city: Date:			
Signature – Custome	r:			
Signature – Service technician:				

Hoke Citymaater 166	50 /4	101 15) Hake system maintenen		
		491.15) – Hako system maintenan		
		e I, 500 operating hours (1500 OH, 25	500 C	0H, <b>3500 OH</b> , 4500
		500 OH, 8500 OH, 9500 OH).		
To be carried out by a	an au	thorised Hako service centre.		
Mach. No.:				
Operating hrs.:				
Customer:				
Work to be carried ou	t: Ha	ko system maintenance I,	$\checkmark$	Specifications:
500 operating hours (	1500	OH, 2500 OH, <b>3500 OH</b> ,		
4500 OH, 5500 OH, 6	500	OH, 7500 OH, 8500 OH, 9500 OH).		
Component:				
Engine	С	Read the error memory of the engine		
		control unit, delete sporadic errors, repair		
		clear errors if necessary.		
	С	Check condition of diesel particulate filter		
		and perform service regeneration if		
	R	necessary. Replace engine oil.		approx. 7.2 litres, Fuchs
	К			Titan CARGO, 5W-40
	R	Replace engine oil filter.		SP No. 01500200
	R	Oil drain screw		SP No. 01501190
	R	Seal of oil drain screw		SP No. 01501200
	R	Fuel filter		SP No. 01500310
	R	Fuel pre-filter		SP No. 01500420
	R	Oil separator crankcase venting		SP No. 01500530
	R	Air filter insert		SP No. 01500640
	C	Check coolant hoses and radiator for leaks		
	•			
	С	Check coolant level, top up if necessary.		VW- G13 or similar, e.g.
		Only top up distilled water or engine		Total Glaself Auto Supra.
	С	coolant!		
Combination radiator	C	Check engine, charge air and hydraulic oil for contamination, clean with compressed		
		air if necessary.		
Engine bearing	С	Check engine bearings for damage, cracks		
assembly		and tight fit.		
V-ribbed belt	С	State and function		
Generator	C	Check generator for contamination, clean.		
Exhaust system	С	Functional and seal tightness check		
Fuel lines	С	Functional and seal tightness check		
Air intake pipe	С	Functional and seal tightness check		

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Work to be carried ou	ıt <sup>.</sup> Ha	ko system maintenance I,	✓	Specifications:			
	500 operating hours (1500 OH, 2500 OH, <b>3500 OH</b> , 4500 OH,						
		OH, 8500 OH, 9500 OH).					
Component:							
Vehicle control	С	Read entries in the work hydraulics control					
system (work		unit, eliminate fault if necessary. Check					
hydraulics control		software status, update software if					
unit)		necessary.					
Vehicle control	С	Read entries in the hydrostatic control unit,					
system (work		eliminate fault if necessary. Check software					
		status, update software if necessary.					
hydraulics control							
unit)							
Hydraulics	С	Check hydraulic oil level, top up if		HVLP 46, e.g. Mobiloil			
	Ĭ	necessary. Check hydraulic oil level, top up		DTE 10 Excel			
		if necessary. Note: Please note topping up					
		with organic oil or other oils. <b>Do not mix</b>					
		hydraulic oils!					
	С	Check hydraulic pipes and hydraulic hoses for abrasion points and damage.					
Hydraulic cylinder –	С	Functional and seal tightness check					
sweeping unit	_						
Lifting cylinder (front	С	Functional and seal tightness check					
power lift)		Ŭ					
Lifting cylinder	С	Functional and seal tightness check					
(sweeper set-up)							
Hydraulic pipes of	С	Functional and seal tightness check					
basic unit							
Hydraulic pipes of	С	Functional and seal tightness check					
implements and							
attachments							
Hand pump	С	Check function of the hand pump (raise the					
		dirt hopper or loading platform with the					
		hand pump)					
Chassis / axles	С	Check chassis springs for damage and					
	<u> </u>	ease of movement (visual inspection).					
	C	Check shock absorbers for any leaks.					
	С	Check bearing bushes of the axle suspension for cracks and damage (visual					
		inspection).					
	С	Check stop buffers for cracks and damage					
		(visual inspection).					
Steering	С	Functional and seal tightness check					
	С	Check steering cylinder for play.					
		Lubricate steering cylinder (4x).					
		l					

		ko system maintenance I, OH, 2500 OH, <b>3500 OH</b> ,	✓	Specifications:
	•	OH, 2500 OH, <b>3500 OH</b> , OH, 7500 OH, 8500 OH, 9500 OH).		
Component:				
Electrical system	С	Functional check, lighting, blinkers, work functions, horn, etc.		
Electrical lines (cables)	С	Check cables (electrical lines) for abrasion points and damage.		
	С	Check positive and ground connections to the battery and frame for tight fit and abrasion points, clean if necessary. Protect battery terminals with terminal grease.		
	С	Check battery charge condition.		
	С	Test parking brake for proper functioning.		
Brake	C (R)	Check service brake for proper functioning and wear and carry out a brake test, replace required parts if necessary.		
	С	Check proportion of water in brake fluid. If the proportion of water is greater than 3 % the brake fluid must be replaced. Check brake fluid oil level and top up if necessary. Or replace brake fluid every 2 years!		0.5 litres, DOT 4, e.g. FTE Type 9368
	С	Check brake hoses for damage.		
Front tool carrier	С	Check upper link for wear and damage.		
	-			

Work to be carried o	ut: Ha	ko system maintenance I,	✓	Specifications:
	OH, 2500 OH, <b>3500 OH</b> ,			
	•	OH, 7500 OH, 8500 OH, 9500 OH).		
	0000			
Component:				
Sweeping unit	С	Check for wear and damage.		
	С	Check sweeping level, adjust if necessary.		
Suction mouth	С	Check coarse material flap and Bowden cable as to function and damage.		
	С	Check the rod ends of the suction mouth lift		SP No. 01498260,
		for wear and damage, replace if necessary.		SP No. 01492810
	С	Check rollers, rubber aprons and		SP No. 01472250 (2X)
	(R)	circulation water compartments for wear		SP No. 01470890 SP
	(13)	and damage. Defective or worn parts must		No. 01470830 SP
		be replaced!		No 01470860
	С	Check and if necessary adjust the suction		Distance:
	Ŭ	mouth setting.		at the side 5 mm,
		5		at the rear 10 mm
Suction duct	С	Check suction hose for damage and		
		correct seating.		
	С	Check seal between suction duct and dirt		
		hopper.		
Suction fan	С	Check suction fan for contamination, clean		
	С	if necessary. Check V-belt at the suction fan for correct		
		V-belt tension and damage and, if		
		necessary, re-tighten or replace.		
	С	Check suction fan for vibration, check		
	Ũ	bearings if necessary.		
	С	Check impeller for wear.		
Hopper flap of the	С	Check seals of the hopper flap for leaks		
dirt hopper		and damage.		
	С	Check impact plate for wear.	ļ	
	С	Cover joints and bearing.		
	С	Check exhaust side of hopper flap for		
	_	contamination.		
Hopper, circulating	С	Hose, cpl. (Circulating water system) If		SP No. 01231950
water system	(R)	required!		

		ko system maintenance I,	✓	Specifications:
		OH, 2500 OH, <b>3500 OH</b> ,		
4500 OH, 5500 OH, 6	500	OH, 7500 OH, 8500 OH, 9500 OH).		
Component:				
Cab	С	Clean cab air filter		
	С	Check and if necessary top up the windscreen washing agent level.		
	С	Functional check of heater		
With air conditioning system	С	Functional check of air conditioning system		
With air conditioning system	С	Check condenser of the air conditioning system (radiator) for contamination, clean with compressed air if necessary.		
Wheels / tyres	С	Re-tighten wheel nuts.		180 Nm
Tyres	С	Check any damage, air pressure and tread depth.		
	С	215/ 70 R15		6.0 bar
	С	225/ 70 R15 C (standard tyres)		5.0 bar
	С	255/ 65 R16 (all-purpose tyres)		3.0 bar
	С	285/ 65 R16 C		3.2 bar
	С	320/ 55-15 T559 (lawn surface tyres)		2.8 bar
	С	325/ 60 R15		2.5 bar
Lubrication service:		Door hinges (4x)		
		Front lift cylinder (4x)		
		Front lift (2x)		
		Upper link (2x)		
		Steering cylinder (4x)		
		tightness, top up, adjust		
R = Replace, (R) = R	Repla	nce if technically necessary		

Remarks; service information for the customer:

Town / city:

Date:

Signature – Customer:

Signature – Service technician:

Hako-Citymaster 165	50 (1	491.15 ) – Hako system maintenan	• •	
Hako system mainten	ance	e II extended, 4000 operating hours (8	3000	OH).
To be carried out by a	in au	thorised Hako service centre.		
Mach. No.:				
Operating hrs.:				
Customer:				
Work to be carried ou	t: Ha	ko system maintenance II extended,	✓	Specifications:
4000 operating hours	(800	0 OH).		
Component:				
Engine	С	Read the error memory of the engine		
-		control unit, delete sporadic errors, repair		
	С	clear errors if necessary. Check condition of diesel particulate filter		
	C	and perform service regeneration if		
		necessary.		
	R	Replace engine oil.		approx. 7.2 litres, Fuchs
		Destance and the still filler		Titan CARGO, 5W-40
	R	Replace engine oil filter.		SP No. 01500200
	R	Oil drain screw		SP No. 01501190
	R	Seal of oil drain screw		SP No. 01501200
	R	Fuel filter		SP No. 01500310 SP No. 01500420
	R R	Fuel pre-filter Oil separator crankcase venting		SP No. 01500420 SP No. 01500530
				SP No. 01500530 SP No. 01500640
	R R	Air filter insert		SP No. 01500640 SP No. 01500750
	к С	Safety cartridge air filter Check coolant hoses and radiator for leaks.		SP NO. 01500750
	C	Check coolant hoses and radiator for leaks.		
	С	Clean EGR system (valve and main		
		radiator).		
	R	Replace engine coolant, VW- G13. Note: Only use distilled water for mixing.		VW- G13 or similar, e.g. Total Glaself Auto Supra.
		Tap or well water does not meet the		Total Glasell Auto Supra.
		required quality standards that guarantee		
		the coolant is fully functional.		
Combination radiator	С	Check engine, charge air and hydraulic oil		
		for contamination, clean with compressed		
Engino booring	С	air if necessary. Check engine bearings for damage, cracks		
Engine bearing assembly	U	and tight fit		
	С	State and function		
V-ribbed belt	с С	Check generator for contamination, clean.		
Generator	C			
Exhaust system	С	Functional and seal tightness check		
Fuel lines	С	Functional and seal tightness check		
Air intake pipe	С	Functional and seal tightness check		
· ·				

Work to be carried ou	it: Ha	ko system maintenance II extended,	✓	Specifications:
4000 operating hours	(800	0 OH).		
Component:	Ì			
Vehicle control	С	Read entries in the work hydraulics control		
system (work		unit, eliminate fault if necessary. Check		
hydraulics control		software status, update software if		
unit)		necessary.		
Vehicle control	С	Read entries in the hydrostatic control unit,		
system (work		eliminate fault if necessary. Check software		
hydraulics control		status, update software if necessary.		
unit)				
Hydraulics	R	Hydraulic oil filter		SP No. 01493180
	R	Venting filter hydraulic tank		SP No. 01497120
	C	Remove hydraulic oil sample and send it in.		SP No. 00009720
		If the sample result is negative, the		
		hydraulic oil must be replaced		
		prematurely!		
	R	Hydraulic hose suction fan (dirth hopper)		SP No. 01493620
	R	Hydraulic hose suction fan (dirth hopper)		SP No. 01493670
	R	Hydraulic hose to the bypass valve.		SP No. 01501600
	R	Hydraulic hose to the bypass valve.		SP No. 01501740
	С	Check hydraulic oil level, top up if		HVLP 46, e.g. Mobiloil
		necessary. Note: Please note topping up		DTE 10 Excel
		with organic oil or other oils. <b>Do not mix</b>		
	С	hydraulic oils! Check hydraulic pipes and hydraulic hoses		
	Ŭ	for abrasion points and damage.		
Hydraulic cylinder –	С	Functional and seal tightness check		
sweeping unit				
Lifting cylinder (front	С	Functional and seal tightness check		
power lift)				
Lifting cylinder	С	Functional and seal tightness check		
(sweeper set-up)				
Hydraulic pipes of	С	Functional and seal tightness check		
basic unit				
Hydraulic pipes of	С	Functional and seal tightness check		
implements and				
attachments				
Hand pump	С	Check function of the hand pump (raise the		
		dirt hopper or loading platform with the		
		hand pump).		
Chassis / axles	С	Check chassis springs for damage and		
		ease of movement (visual inspection).		
	С	Check shock absorbers for any leaks.		
	С	Check bearing bushes of the axle		
		suspension for cracks and damage (visual		
		inspection).		
	С	Check stop buffers for cracks and damage		
	D	(visual inspection).		SP No. 01490530
	R	Rubber- Metal- Buffer front axle (2X)		SF 110. 01490330

Work to be carried out: Hako system maintenance II extended,       ✓         4000 operating hours (8000 OH).       Component:          Steering       C       Functional and seal tightness check. Lubricate steering cylinder (4x).          C       Check steering cylinder for play.          Electrical system       C       Functional check, lighting, blinkers, work functions, horn, etc.          Electrical lines       C       Check cables (electrical lines) for abrasion points and damage.          C       Check positive and ground connections to the battery and frame for tight fit and abrasion points, clean if necessary. Protect battery terminals with terminal grease.          Brake       C       Check service brake for proper functioning and wear and carry out a brake test, replace required parts if necessary.          C       Test parking brake for proper functioning.	Specifications:
Steering       C       Functional and seal tightness check. Lubricate steering cylinder (4x).         C       Check steering cylinder for play.         Electrical system       C       Functional check, lighting, blinkers, work functions, horn, etc.         Electrical lines       C       Check cables (electrical lines) for abrasion points and damage.         C       Check positive and ground connections to the battery and frame for tight fit and abrasion points, clean if necessary. Protect battery terminals with terminal grease.         C       Check battery charge condition.         Brake       C       Check service brake for proper functioning and wear and carry out a brake test, replace required parts if necessary.	
Steering       C       Functional and seal tightness check. Lubricate steering cylinder (4x).         C       Check steering cylinder for play.         Electrical system       C       Functional check, lighting, blinkers, work functions, horn, etc.         Electrical lines       C       Check cables (electrical lines) for abrasion points and damage.         C       Check positive and ground connections to the battery and frame for tight fit and abrasion points, clean if necessary. Protect battery terminals with terminal grease.         C       Check battery charge condition.         Brake       C       Check service brake for proper functioning and wear and carry out a brake test, replace required parts if necessary.	
Electrical system       C       Functional check, lighting, blinkers, work functions, horn, etc.         Electrical lines       C       Check cables (electrical lines) for abrasion points and damage.         (cables)       C       Check positive and ground connections to the battery and frame for tight fit and abrasion points, clean if necessary. Protect battery terminals with terminal grease.         C       Check battery charge condition.         Brake       C       Check service brake for proper functioning and wear and carry out a brake test, replace required parts if necessary.	
Functions, horn, etc.         Electrical lines         (cables)         C       Check cables (electrical lines) for abrasion points and damage.         C       Check positive and ground connections to the battery and frame for tight fit and abrasion points, clean if necessary. Protect battery terminals with terminal grease.         C       Check battery charge condition.         Brake       C       Check service brake for proper functioning and wear and carry out a brake test, replace required parts if necessary.	
(cables)       points and damage.         C       Check positive and ground connections to the battery and frame for tight fit and abrasion points, clean if necessary. Protect battery terminals with terminal grease.         C       Check battery charge condition.         Brake       C       Check service brake for proper functioning and wear and carry out a brake test, replace required parts if necessary.	
the battery and frame for tight fit and abrasion points, clean if necessary. Protect battery terminals with terminal grease.         C       Check battery charge condition.         Brake       C         (R)       Check service brake for proper functioning and wear and carry out a brake test, replace required parts if necessary.	
Brake       C       Check service brake for proper functioning and wear and carry out a brake test, replace required parts if necessary.	
(R) and wear and carry out a brake test, replace required parts if necessary.	
C Test parking brake for proper functioning.	
C Check proportion of water in brake fluid. If the proportion of water is greater than 3 % the brake fluid must be replaced. Check brake fluid oil level and top up if necessary. Or replace brake fluid every 2 years!	0.5 litres, DOT 4, e.g. FTE Type 9368
C Check brake hoses for damage.	
Front tool carrier         C         Check upper link for wear and damage.	

Work to be carried o 4000 operating hours		ko system maintenance II extended,	✓	Specifications:
Component:				
Sweeping unit	С	Check for wear and damage.		
	C	Check sweeping level, adjust if necessary.		
Suction mouth	С	Check coarse material flap as to function and damage. Replace Bowden cable.		SP no. 01167520
	С	Check the rod ends of the suction mouth lift for wear and damage, replace if necessary.		SP No. 01498260, SP No. 01492810
	C (R)	Check rollers, rubber aprons and circulation water compartments for wear and damage. Defective or worn parts must be replaced!		SP No. 01472250 (2X) SP No. 01470890 SP No. 01470830 SP No 01470860
	С	Check and if necessary adjust the suction mouth setting.		Distance: at the side 5 mm, at the rear 10 mm
Suction duct	С	Check suction hose for damage and correct seating.		
	С	Check seal between suction duct and dirt hopper.		
Suction fan	R	V-belt suction fan		SP No. 01220790
	С	Check suction fan for contamination, clean if necessary.		
	С	Check V-belt at the suction fan for correct V-belt tension and damage and, if necessary, re-tighten or replace.		
	С	Check suction fan for vibration, check bearings if necessary.		
	С	Check impeller for wear.		
Hopper flap of the dirt hopper	С	Check seals of the hopper flap for leaks and damage.		
	С	Check impact plate for wear.		
	С	Cover joints and bearing.		
	С	Check exhaust side of hopper flap for contamination.		
Hopper, circulating water system	C (R)	Hose, cpl. (Circulating water system) If required!		SP No. 01231950

Work to be carried ou <b>4000</b> operating hours		No system maintenance II extended,	✓	Specifications:
	(800			
Component:	R	Cab air filter		
Cab				SP No. 01065540
	С	Check and if necessary top up the windscreen washing agent level.		
	С	Functional check of heater		
With air conditioning system	С	Functional check of air conditioning system		
With air conditioning system	С	Check condenser of the air conditioning system (radiator) for contamination, clean with compressed air if necessary.		
Windooroon woohing	С	Check and if necessary top up the		
Windscreen washing agent		windscreen washing agent level.		
Wheels / tyres	С	Re-tighten wheel nuts.		180 Nm
Tyres	С	Check any damage, air pressure and tread depth.		
	С	215/ 70 R15		6.0 bar
	С	225/ 70 R15 C (standard tyres)		5.0 bar
	С	255/ 65 R16 (all-purpose tyres)		3.0 bar
	С	285/ 65 R16 C		3.2 bar
	С	320/ 55-15 T559 (lawn surface tyres)		2.8 bar
	С	325/ 60 R15		2.5 bar
Lubrication service:		Door hinges (4x)		
		Front lift cylinder (4x)		
		Front lift (2x)		
		Upper link (2x)		
		Steering cylinder (4x)		
$\mathbf{C}$ = Check: function,	seal	tightness, top up, adjust		
		ace if technically necessary		
Remarks; service info	rmat	ion for the customer:		
Town / city:		Date:		
Signature – Customer:				
Signature – Service technician:				