

## Overview of maintenance parts Hako-Citymaster 1650

<b>Hako system maintenance A1 – Inspection after 50 operating hours (once)</b>		
<i>Quantity</i>	<i>SP No.</i>	<i>Designation</i>
1	01500200	Engine oil filter
1	01500310	Fuel filter
1	01493180	Hydraulic oil filter
<i>Litres</i>	<i>Operating media</i>	
approx. 7.2	Engine oil	<b>Fuchs Titan CARGO 5W-40</b> , specification ACEA E9, API CK-4, or similar.
<b>Hako system maintenance I – every 500 operating hours or annually</b>		
<i>Quantity</i>	<i>SP No.</i>	<i>Designation</i>
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!
<i>Litres</i>	<i>Operating media</i>	
approx. 7.2	Engine oil	<b>Fuchs Titan CARGO 5W-40</b> , specification ACEA E9, API CK-4, or similar.
<b>Hako system maintenance II – every 1000 operating hours</b>		
<i>Quantity</i>	<i>SP No.</i>	<i>Designation</i>
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!

<b>Hako system maintenance II – every 1000 operating hours</b>		
<i>Litres</i>	<i>Operating media</i>	
approx. 7.2	Engine oil	<b>Fuchs Titan CARGO 5W-40</b> , specification ACEA E9, 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. <b>Or replace brake fluid every 2 years!</b>
<b>Hako system maintenance I – after 1500 operating hours</b>		
<i>Quantity</i>	<i>SP No.</i>	<i>Designation</i>
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!
<i>Litres</i>	<i>Operating media</i>	
approx. 7.2	Engine oil	<b>Fuchs Titan CARGO 5W-40</b> , specification ACEA E9, API CK-4, or similar.

<b>Hako system maintenance II – after 2000 operating hours</b>		
<i>Quantity</i>	<i>SP No.</i>	<i>Designation</i>
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!
<i>Litres</i>	<i>Operating media</i>	
approx. 7.2	Engine oil	<b>Fuchs Titan CARGO 5W-40</b> , specification ACEA E9, 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. <b>Or replace brake fluid every 2 years!</b>

<b>Hako system maintenance I – after 2500 operating hours</b>		
<i>Quantity</i>	<i>SP No.</i>	<i>Designation</i>
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!
<i>Litres</i>	<i>Operating media</i>	
approx. 7.2	Engine oil	<b>Fuchs Titan CARGO 5W-40</b> , specification ACEA E9, API CK-4, or similar.
<b>Hako system maintenance II – after 3000 operating hours</b>		
<i>Quantity</i>	<i>SP No.</i>	<i>Designation</i>
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!

<b>Hako system maintenance II – after 3000 operating hours</b>		
<i>Litres</i>	<i>Operating media</i>	
approx. 7.2	Engine oil	<b>Fuchs Titan CARGO 5W-40</b> , specification ACEA E9, 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. <b>Or replace brake fluid every 2 years!</b>
58	Hydraulic oil	HVLP 46, e.g. Mobiloil DTE 10 Excel (DIN 51524 Part 3)
approx. 1000 g	Refrigerant air conditioning system	R134a
<b>Hako system maintenance I – after 3500 operating hours</b>		
<i>Quantity</i>	<i>SP No.</i>	<i>Designation</i>
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!
<i>Litres</i>	<i>Operating media</i>	
approx. 7.2	Engine oil	<b>Fuchs Titan CARGO 5W-40</b> , specification ACEA E9, API CK-4, or similar.

<b>Hako system maintenance II – after 4000 operating hours</b>		
<i>Quantity</i>	<i>SP No.</i>	<i>Designation</i>
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 (dirt hopper)
1	01493670	Hydraulic hose suction fan (dirt 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!
<i>Litres</i>	<i>Operating media</i>	
approx. 7.2	Engine oil	<b>Fuchs Titan CARGO 5W-40</b> , specification ACEA E9, 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. <b>Or replace brake fluid every 2 years!</b>
12	VW- G13 or similar, e.g. Total Glaself Auto Supra.	Ensure the mixing ratio is <b>at least 40 % coolant additive</b> to 60 % water (distilled water). Never exceed the mixing ratio <b>60 % coolant additive</b> 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.