

Congratulation on your new machine

2016-11-21

Borum® Master 3000 / 5000

You have now received your new machine from Borum, this machine has been tested in Borum to ensure reliability from day one.

To ensure the reliability, service and maintenance is very important.

In the manuals you can find the service scheme for your machine,

Parts for first 50 hours service

- Oil 12 litres on engine (504920) Q8 FS 10W-40 or similar
- Oil filter 1 pc. on engine (510312)
- Fuel filter 1 pc. on engine (510311)
- Fuel filter 1 pc. on diesel tank (504268)
- Oil 4 litres per compressor (510815) Q8 Schumann 68 or similar
- Oil filter cartridge 1 pc. per compressor (510774)
- Return filter 1 pc. on Hydraulic system (500522)
- Booster filter 1 pc. on Hydraulic system (508746)
- High pressure filter 1 pc. **(Only for machines with material pump drive)** (500523)
- Grease Front-wheel hub and spindle/nipple on poly-V-pulley (504768) Q8 Rubens RW or similar
- Fuel filter 1 pc. **(Only for machines with oil burner)** (500413)

Remember to check all air filters regularly (replacement schedule can vary from different work conditions)

(It is important to have the first service check very early, because when starting up the circuit is cleaning it self and all the impurities can cause clogging of the filter with the risk of too low lubrication and flow)

Please remember to read the manual before using the machine.

In the service scheme you will also find the daily checks you must remember.

PLEASE NOTICE: That Borum® Master 3000 has a need for extra oil change every 250 hour.

- Oil 12 litres on engine (504920) Q8 FS 10W-40 or similar

The oil filter should not be changed every 250 hour.

The next service must be done by 500 hours.



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Parts for first 500 hours service

- Oil 12 litres on engine (504920) Q8 FS 10W-40 or similar
- Oil filter 1 pc. on engine (510312)
- Fuel filter 1 pc. on engine (510311)
- Fuel filter 1 pc. on diesel tank (504268)
- Air filter cartridge 1 pc. per compressor (510577)
- High pressure filter 1 pc. (Only for machines with material pump drive) (500523)
- Grease Front-wheel hub and spindle/nipple on poly-V-pulley (504768) Q8 Rubens RW or similar
- Fuel filter 1 pc. (Only for machines with oil burner) (500413)

Remember to check all air filters regularly (replacement schedule can vary from different work conditions)

The next service must be done by 1000 hours.

Parts for first 1000 hours service

- Oil 12 litres on engine (504920) Q8 FS 10W-40 or similar
- Oil filter 1 pc. on engine (510312)
- Fuel filter 1 pc. on engine (510311)
- Fuel filter 1 pc. on diesel tank (504268)
- Air filter 1 pc. on radiator (204190)
- Oil 4 litres per compressor (510815) Q8 Schumann 68 or similar
- Oil filter cartridge 1 pc. per compressor (510774)
- Oil separator 1 pc. per compressor (510775)
- Air filter cartridge 1 pc. per compressor (510577)
- Air filter 1 pc. on radiator for compressor 1 (209001)
- Air filter 1 pc. on radiator for compressor 2 (209002) (only if mounted)
- Return filter 1 pc. on hydraulic system (500522)
- Booster filter 1 pc. on hydraulic system (508746)
- High pressure filter Only for machines with material drive (500523)
- Oil 95 litres for hydraulic system (503626) Q8 HANDEL 46 or similar
- Grease Front-wheel hub and spindle/nipple on poly-V-pulley (504768) Q8 Rubens RW or similar
- Fuel filter 1 pc. (Only for machines with oil burner) (500413)

Remember to check all air filters regularly (replacement schedule can vary from different work conditions)

The next service must be done by 1500 hours.

Use same parts as for the first 500 hours service.



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The next service must be done by 2000 hours / 1 year.

Use same parts as for the first 1000 hours service.

We recommend doing the following minimum each year:

To change the Air filter for the motor

- Air filter farthest in 1 pc. for engine (510388)
- Air filter farthest out 1 pc. for engine (510387)

Remember to check all air filters regularly (replacement schedule can vary from different work conditions)

To change oil on the ID boiler

- Heat oil (Only for machines with ID boiler) (500383) Q8 GLUCK H or similar
- Nozzle 1 pc. for oil burner (only if mounted)

Size of nozzle is depending of boiler type see manual for burner

We recommend doing the following minimum every two years:

To change all belts

- Poly-V belt 1 pc. for engine (504925) 590/1499 L14
- V-belt 2 pc. for compressor 1 (513183) XPA 1532
- V-belt 2 pc. for compressor 2 (only if mounted) (513182) XPA 1420
- V-belt 1 pc. for **90A generator** on engine (511050) or
- V-belt 1 pc. for **150A generator** on engine (508828)

To change the valves on the compressors

- Min. pressure valve 1 pc. per compressor (504221)
- Thermostatic valve 1 pc. per compressor (504222)

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Clip from the manual concerning the service schedules. See the manual for more detailed information.

Service scheme for BM 3000/ BM 5000

Check before start. It is very important, that the machine is checked on a daily basis, for defects. Defects shall be corrected, not only to prevent unnecessary interruptions, but also to avoid accidents to driver or assistants.

Part	Subject	Daily check	After first 50 hour	Every 500 hour	Every 1000 hour	Every 1 year	Remarks
Engine	Check oil level in sump	X					See manual for engine
	Change oil		X	X 1)		X	See manual for engine 1) BM 3000 every 250 hour
	Change oil filter		X	X		X	See manual for engine
	Change fuel filter		X	X		X	See manual for engine
	Change fuel filter near fuel tank		X	X			
	Check air filter for clogging	X					See manual for BM 3000/ BM 5000 basic machine
	Change air filter					X	Replacement schedule can vary from different work conditions
	Check water level in radiator	X					See manual for BM 3000/ BM 5000 basic machine
	Check/clean radiator and filter	X					Cleaning as required
	Check condition of the accumulator			X			
	Adjust drive belt tension (generator)		X	X			See manual for BM 3000/ BM 5000 basic machine
	Adjust tappets clearance				X		See manual for engine
	Calibrate injectors and possible nozzles				X		See manual for engine
	Check/renew the coolant					X	
	Check the transmission belt (hydrostat)		X	X			See manual for BM 3000/ BM 5000 basic machine
Compressor	Check oil level	X					See manual for compressor
	Change oil separator				X	X	See manual for compressor
	Change oil		X		X	X	See manual for compressor
	Change oil filter		X		X	X	See manual for compressor
	Check and clean air intake filter						Every 50 hour
	Change air intake filter element			X			See manual for compressor. Replacement schedule can vary from different work conditions
	Check safety valve			X			Visual check (Damage, blocked or leaking)
	Check the V-belt			X			See manual for BM 3000/ BM 5000 basic machine
Hydraulic	Check level of hydraulic oil	X					See manual for BM 3000 / BM 5000 basic machine
	Change hydraulic oil filters		X		X		Return and booster filters
	Change hydraulic oil high pressure filter		X	X			If installed
	Change hydraulic oil				X		Can depend of environment. Check oil before changing.
	Grease spline on hydraulic pump		X	X			Lubricating nipple on poly-V-pulley
General	Check lights and warning light	X					
	Refill lubricating oil on air lubricator	X					If installed
	Check the machine for fault and defects	X	X	X			Visual inspection
	Drain water/dirt from air water separator	X					See manual for BM 3000/ BM 5000
	Tighten the wheel nuts		X	X			Torque rear (Poclairn) 200 Nm. Torque front 110 Nm
	Adjust the front-wheel hub nut.		X	X			
	Grease the front-wheel hub and the spindle		X	X			
	Check the tyre pressure	X					Rear 10 bar (145 psi), front 4,5 bar (65 psi)
Tighten up all bolts and nuts.		X	X				
Boiler	Check heat oil level	X					If installed. See manual for Preheater
	Check that the thermostats works	X					See manual for Preheater
	Check the burner.	X					See manual for burner
	Change fuel filter on boiler		X	X			
	Check the combustion of the burner			X			See manual for burner
	Make service on the burner					X	See manual for burner
	Change heat oil					X	



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**PARTS FOR THE FIRST 50 HOURS SERVICE
IS INCLUDED IN THIS PACKAGE
(OIL AND GREASE IS NOT INCLUDED)**

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