CONTROL CHECK-LIST ON WARRANTY EQUIPMENT
INTERVENTION ON THE PTO AND MH6 COMPRESSOR SET

This document doesn't take the place of the recommendations of the HYDROCAR (PTO) and MOUVEX (compressor) instructions, with which we suggest you very deeply to acquaint.

THE RETURN OF THIS FILLED DOCUMENT TO THE AFTER SALES DEPARTMENT DEPENDS ON OUR WARRANTY AGREEMENT.

Truck	Brand:	Type:
	V.I.N. number:	Set installation date:
	Registration number:	Kilometers number:
	Speed gearbox type:	
	If speed gearbox ZF: ☐ ECO-SPLIT ☐ AS-TRONIC ☐ TRAXON	

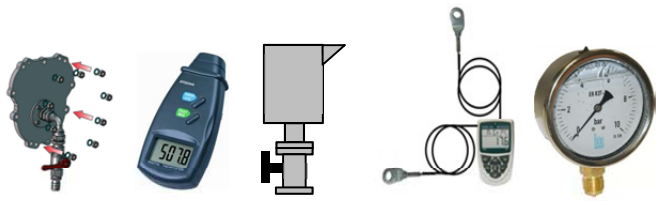
Inter-vention	Fitter:	User:
	Society which has operated:	Intervention date:
	Intervention place:	

Claim	Reason of the claim:	
	Is it possible to test the compressor before the intervention ? ☐ Yes ☐ No, why?	
	Serial number of the compressor:	Serial number of the PTO:
	Driving : ☐ Male screw (MS) ☐ Female screw (FS)	Ratio : ☐ C ☐ E

Control before compressor removal

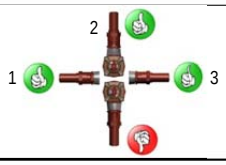
Specific tools required:

- **K1 :** control oil flowrate kit (HYDROCAR)
- **K2 :** optic tachymeter
- **K3 :** compressor test kit (valve + silencer)
- **K4 :** thermometer **with eyelet ends**
- **K5 :** pressure gauge



K1 **K2** **K3** **K4** **K5**

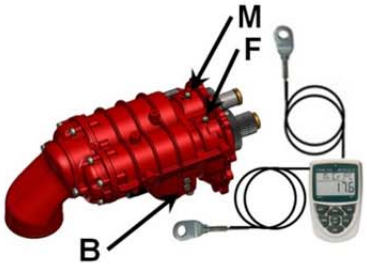
1. Checking of the oil level on the speed gearbox (according to manufacturer recommendations).	☐
2. Checking of the oil filter tightness.	☐
3. Speed control (male screw) (**K2**): N mini: N maxi: *Caution: consult the instructions 1401-AA00 regarding the speed range.*	☐
4. Gearbox split position: ☐ Low ☐ High	☐
5. Split selected locked.	☐
6. Speed range used locked.	☐
7. Check relief valve position: 8. Type of valve: ☐ 2 bar ☐ 2,3 bar ☐ 2,5 bar	☐



9. Control of opening of the relief valve (**K3**, **K5**): ☐
Opening pressure: bar Closed valve pressure: bar

10. Temperature measurement of the compressor (**K3, K4, K5**):
- Run the compressor at the maximum speed during 45 min.
- Set the pressure to 2,5 bar, measured at point B.
- Measure the temperature at points M and F with two fixed eyelet ends. Temperature < 130°C.

Duration (min)	Temperature		
	Ambient	Male screw (M)	Female screw (F)
15'			
30'			
45'			



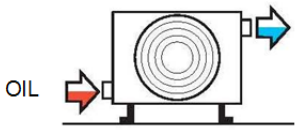
☛ Use absolutely contact ends if you cannot fix the eyelet ends on the compressor.

11. Oil leakage at the collectors of the compressor: ☐ Yes: ☐ Male screw seal ☐ Female screw seal ☐ Both seals ☐ No ☐

12. Checking of no oil leakage on the oil circuit before compressor stopping. ☐

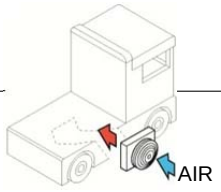
Assembling of the radiator

1. The oil flow goes from the bottom to the top. ☐



2. The air flow goes from the fan to the radiator. ☐

3. The air flow crossing the radiator comes from an area outside the truck. ☐



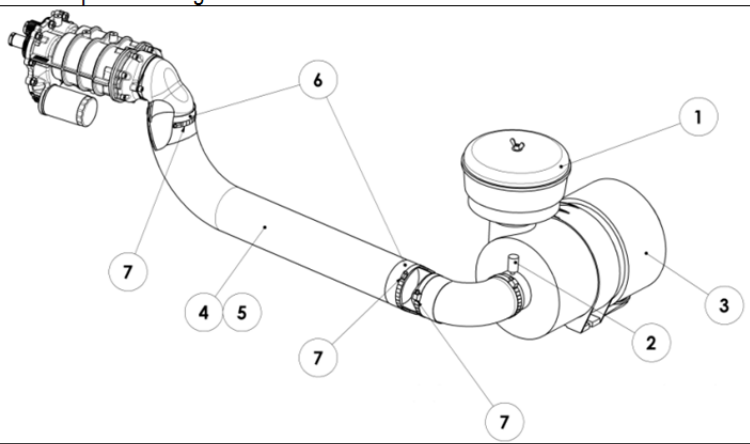
4. The startup of the fan must be associated with the engagement of the PTO. ☐

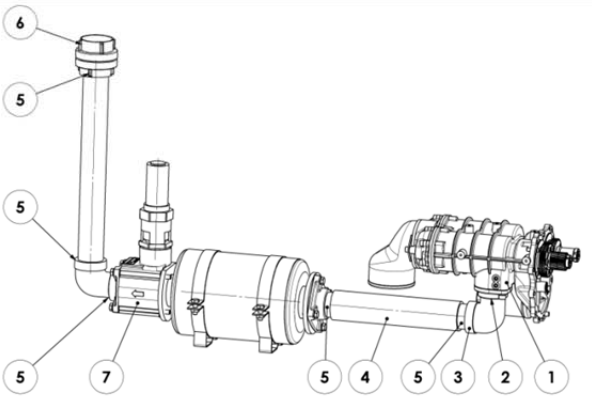
5. The motor is protected by a fuse of 6,3 A. ☐

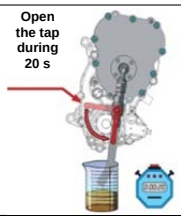
Compressor's suction

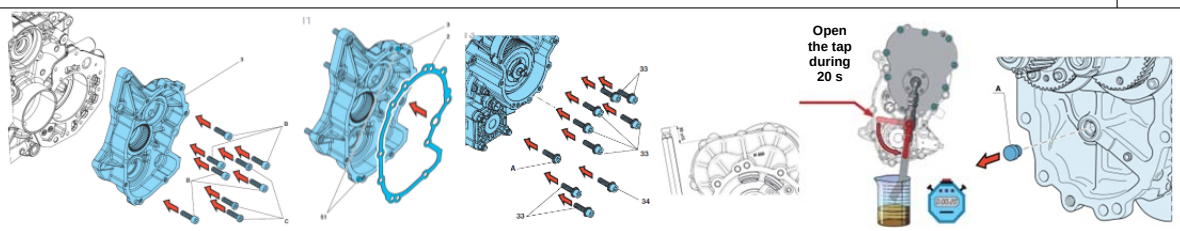
Filter:
1. Pre-cleaner clean and in place. ☐
2. Clogging indicator present and visible. ☐
3. Checking of the cartridge: ☐ Clean ☐ Dirty ☐ Cleaning ☐ Replacement ☐

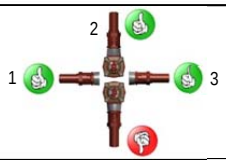
Hose:
☛ New version of the suction kit (hose and shrinkable sleeve) ☐
☛ Old version of the suction kit ☐
Have you updated the suction kit (hose and shrinkable sleeve)?
☐ Yes ☐ No, why?
4. Clean inside. ☐
5. Not folded, fastened in order to avoid any banging. ☐
6. Heat shrinkable sleeve in place at both ends. ☐
7. Collars in place and tightened. ☐



Compressor's dischage	1. The graphite flange gasket is in place.	☐
	2. Flange screws tightened.	☐
	3. A 45° or 90° elbow is fitted on the flange (a vertical pipe between the flange and the elbow is allowed).	☐
	4. The discharge hose delivered is fitted on that elbow.	☐
	5. Threaded connexions are waterproof.	☐
	6. Plug present at the end of the pipe.	☐
	7. Relief valve turned in the right direction.	☐
	8. Check relief valve dismantled and controlled.	☐
	9. Checking of the waterproofness of the whole piping (notably welds).	☐
		

PTO test after compressor removal	1. Run the truck, PTO engaged, during 10 min before the test.	☐
	2. Control of the oil flow rate of the PTO pump (**K1**) corresponding with the maximal speed of the compressor: Flow rate measured: l/min Engine speed: rpm Oil temperature: °C 	☐

Replacement	☛ <u>If the failed PTO is replaced</u>: **serial number of the new PTO:**	☐
	ASSEMBLING OF THE PTO:	
	1. Loctite® 5203 between PTO and gearbox (flat gasket for Scania PTO).	☐
	2. Fixation screws tightened at 38 Nm.	☐
	3. Flat gasket in place.	☐
	4. Fixation screws tightened at 38 Nm.	☐
	5. Caution with the vent position: cf. instructions MH6 Power Take Offs – service manual.	☐
	6. Run the truck, PTO engaged, during 10 min before the test. Control of the oil flow rate of the PTO pump (**K1**) corresponding with the maximal speed of the compressor: Flow rate measured: l/min Engine speed: rpm Oil temperature: °C	☐
	7. Remove the plug A.	☐
	 1 2 3 4 5 6 7	

	☛ **If the failed MH6 is replaced: serial number of the new MH6 compressor:** ☐
	TEST OF THE MH6 COMPRESSOR (K5 CONNECTED TO B):
	1. Checking of the oil level on the speed gearbox (according to manufacturer recommendations). ☐
	2. Checking of the oil filter tightness. ☐
	3. Speed control (male screw) (**K2**): N mini: N maxi: ☐ *Caution: consult the instructions 1401-AA00 regarding the speed range.*
	4. Gearbox split position: ☐ Low ☐ High ☐
	5. Split selected locked. ☐
	6. Speed range used locked. ☐
	7. Check relief valve position: 8. Type of valve: ☐ 2 bar ☐ 2,3 bar ☐ 2,5 bar  ☐
	9. Control of opening of the relief valve (**K3**, **K5**): ☐ Opening pressure: bar Closed valve pressure: bar
	10. Temperature measurement of the compressor (**K3, K4, K5**): - Run the compressor at the maximum speed during 45 min. - Set the pressure to 2,5 bar, measured at point B. - Measure the temperature at points M and F with two fixed eyelet ends. Temperature < 130°C.

Duration (min)	Temperature		
	Ambient	Male screw (M)	Female screw (F)
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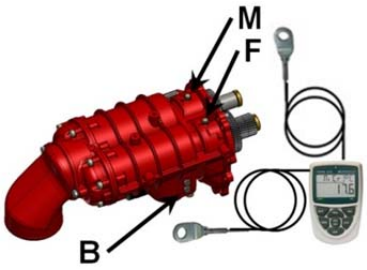

☛ Use absolutely contact ends if you cannot fix the eyelet ends on the compressor.

	11. Checking of no oil leakage on the oil circuit before compressor stopping. ☐

PICTURES TO BE ABSOLUTELY ATTACHED WITH THE CLAIM

⚠	☛ Complete installation ☐
	☛ Suction filter and cartridge ☐
	☛ Suction hose and connections ☐
	☛ Compressor (damaged part) ☐
	☛ PTO (damaged part) ☐
	☛ Check relief valve ☐
	☛ Discharge piping ☐