CONTROL CHECK LIST
INSTALLATION OF THE PTO & MH6 COMPRESSOR SET

This document does not take the place of the recommendations of the HYDROCAR (PTO) and MOUVEX (Compressor) Instructions with which we recommend you very deeply to acquaint.

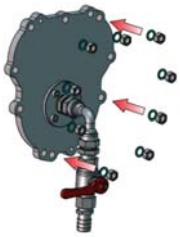
OUR WARRANTY AGREEMENT IS CONDITIONNED BY THE RETURN OF THIS DOCUMENT SUPPLEMENTED.

Date :	**PTO Serial number :**	**Compressor Serial number :**
Driving :	☐ **Male screw (MS)**	☐ **Female screw (FS)**
Ratio :	☐ **C**	☐ **E**

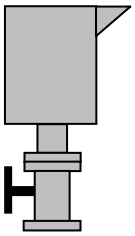
TRUCK		
Brand :	**Type :**	
V.I.N. number :	**Set installation date :**	
Registration number :	**Kilometers number :**	
Speed gearbox type :	ZF	☐ ECO-SPLIT
Fitter :		☐ AS-TRONIC
User :		☐ TRAXON

Specific tools required :

K1 : Control oil flowrate kit (HYDROCAR)
K2 : Optic tachymeter
K3 : Compressor test kit (valve + silencer)
K4 : Thermometer with an eyelet end
K5 : Pressure gauge


K1


K2


K3


K4

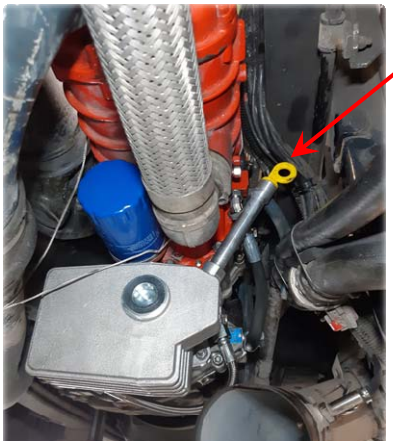

K5

Lubrication type

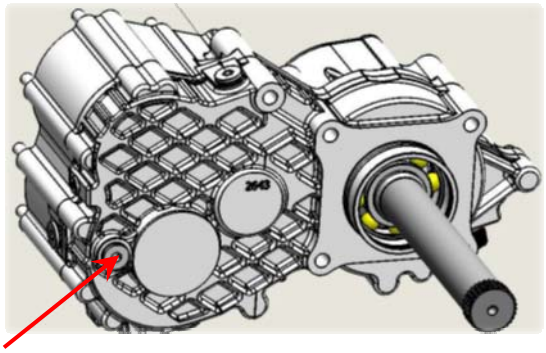
2 types of lubrication depending on the gearbox :

- ZF and MERCEDES: no separate lubrication, the mh6 uses standard gearbox oil. The control of the overall oil level remains that usually carried out for the gearbox.
- SCANIA and VOLVO: separate lubrication with BSC MH specific oil, the mh6 is autonomous, and independent of the gearbox.

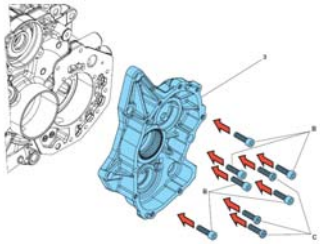
SCANIA



VOLVO



A. ASSEMBLING THE PTO		
1.	Loctite® 5203 between PTO and gear box.	☐
2.	Fixation screws tightened at 38 Nm.	☐
3.	For SCANIA & VOLVO, fill the PTO with 2 liters of BSC MH oil. Control the oil flow of the PTO's pump **(K1)** : corresponding to the maximum speed of the compressor : Measured flow rate ..... l/min Engine speed ..... rpm	☐
4.	Flat gasket in place.	☐
5.	Remove the plug A from mh6.	☐
6.	Install the compressor and tighten the fixing screws to 38 Nm.	☐



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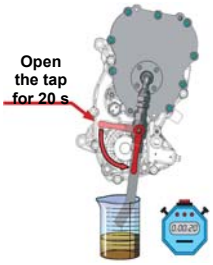

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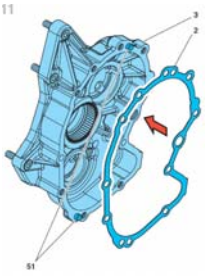

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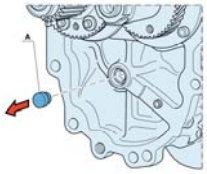

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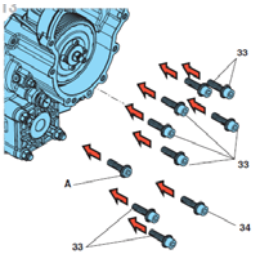
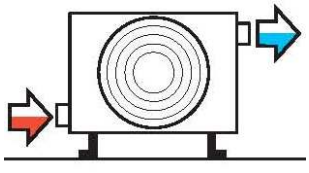
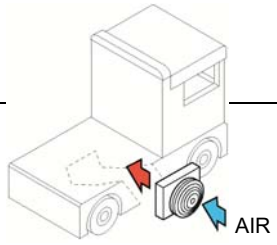


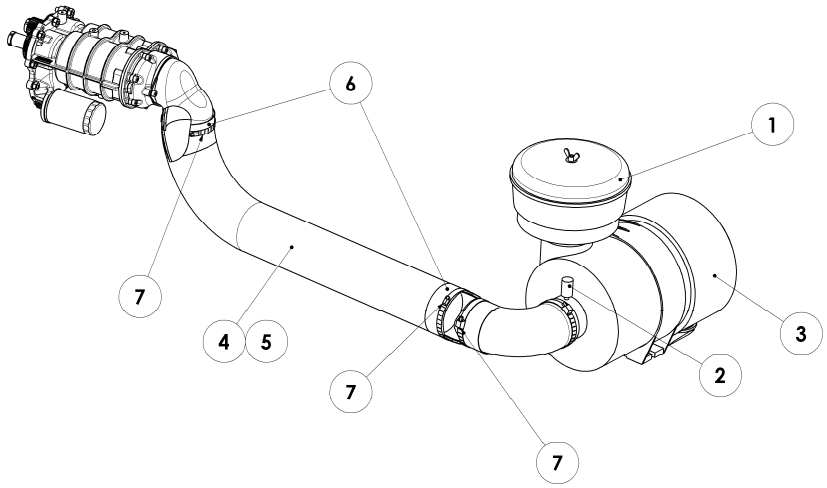
6.

B. ASSEMBLING 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.	☐
6.	Run the compressor for 2' and control the oil level.	☐

C. COMPRESSOR'S SUCTION

1.	Filter :	
	1. Pre-cleaner in place.	☐
	2. Clogging indicator visible.	☐
	3. Cartridge in place and clean.	☐
2.	Hose :	
	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.	☐

Waterproof

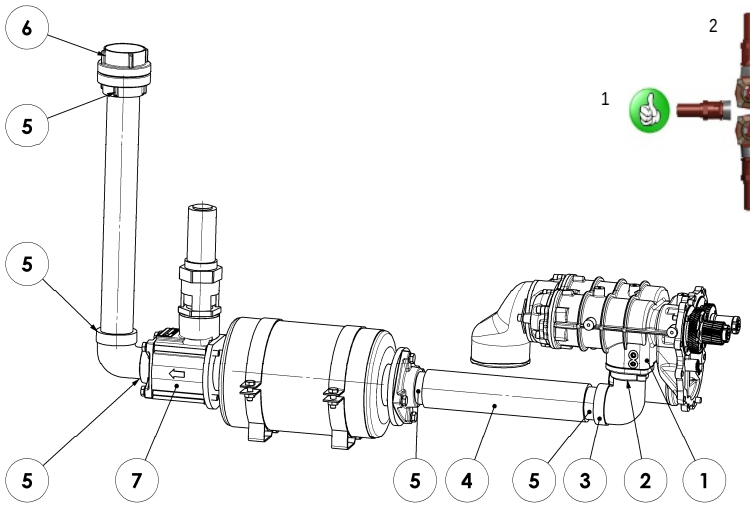


D. COMPRESSOR'S DISCHARGE

1.	The graphite flange gasket is in place.	☐
2.	Flange screws tightened at 44 Nm.	☐
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, it must remain supple.	☐
5.	Threaded connexions are waterproof.	☐
6.	There is a plug at the end of the pipe.	☐
7.	Relief valve turned in the right direction.	☐
8.	The waterproofness of the whole piping has to be checked.	☐
9.	Relief valve orientation.	☐

8

Waterproof



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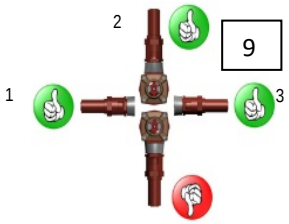

E. TEST OF THE COMPRESSOR (K5 connected to B)

1.	Speed control (male screw) : (**K2**) N mini N maxi *Caution : Consult the Instructions 1401-AA00 regarding the speed range.*	☐
2.	Gear box split position : ☐ Low ☐ High	☐
3.	The split selected is locked.	☐
4.	The speed range used is locked.	☐
5.	Relief valve pressure : ☐ 2 bar ☐ 2,3 bar ☐ 2,5 bar	☐
6.	Control of the opening of the relief valve. (**K3, K5**)	☐
7.	Temperature measurement of the compressor (**K3, K4, K5**) : - Run the compressor for 45 minutes at the maximum speed. - Set the pressure to 2,5 bar, measured at point B. - Measure the temperature at points M and F with an eyelet. Temperature < 130°C.	☐
8.	Checking for leaks on the oil circuit.	☐
9.	Check the oil level of the gearbox (according to the manufacturer recommendations). Or of the PTO for SCANIA & VOLVO.	☐
10.	Check the tightness of the oil filter.	☐

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

- Stop the compressor.