



## **Service Information No. 13 / 05**

**Date:** 01.09.05

### **Attached Lubricating Oil Pumps with Pressure Control Valve**

**M20/RM32C/VM32C/RM43**

#### **Start / Stop of Standby Lubricating Oil Pump, Switching Point 9402**

Supplementary to our Service Information 12/05 we would like to inform you about the first results of our investigations that have been continued in the meantime as well as the resulting measures for the operator.

The investigation has shown that permanent parallel running of the attached lubricating oil pump and the separate standby lubricating oil pump may lead to higher axial load on the pump bearings within the attached lubricating oil pump. In extreme cases even a failure of the attached lubricating oil pump with the corresponding consequences (see Service Info 12/05) may occur.

For this reason switching point 9402 (start / stop of the standby lubricating oil pump) is to be adjusted to a value below minimum speed of the engine so that the standby lubricating oil pump is switched off at minimum engine speed.

Please make sure that the standby pump control is checked for correct function and, if necessary, switching point 9402 is corrected accordingly (see attachment 9-A-0412).

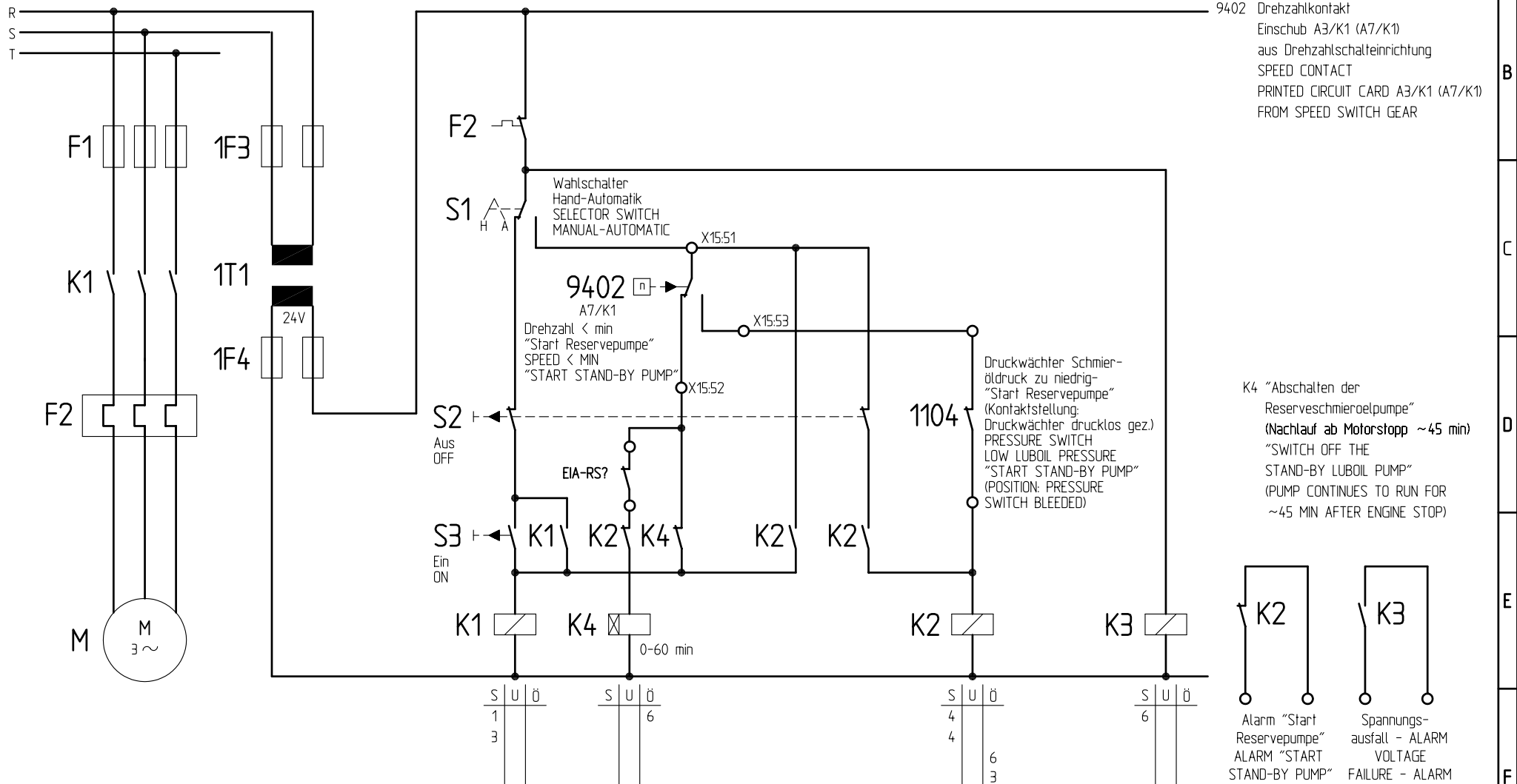
Should you have any questions regarding this matter, please contact your dealer.

Attachment: 9-A-0412

Vorschlag fuer Steuerung der Hauptmotor-Reserveschmieroelpumpe  
 PROPOSAL FOR CONTROL OF MAIN ENGINE STAND-BY LUBOIL FORCE PUMP  
 Drucküberwachung arbeitet im Arbeitsstromprinzip  
 THE PRESSURE MONITORING OPERATES ON THE OPEN-CIRCUIT SYSTEM

Zum CAT-Lieferumfang gehoert :  
 INCLUDED IN THE CAT SUPPLY :

- 1104 Druckwächter  
 PRESSURE SWITCH
- 9402 Drehzahlkontakt  
 Einschub A3/K1 (A7/K1)  
 aus Drehzahlchalteinrichtung  
 SPEED CONTACT  
 PRINTED CIRCUIT CARD A3/K1 (A7/K1)  
 FROM SPEED SWITCH GEAR



Datum		25.03.04	Caterpillar Motoren GmbH & Co. KG		Vorschlag f. Steuerung		= M20	
Bearb.		Westphal	VT3		PROPOSAL F. CONTROL		+ MOTOR	
Gepr.		Ketelsen	Caterpillar Confidential: Green				9-A-0412/251593	
Norm		DIN/IEC	Urspr.		Ers. d.		Blatt 1	
Zust.	Aenderung	Datum	Name	Norm	Ers. f.	Ers. d.	1BL	
1				2	3	4	5	6
7				8				