

An oil pump is still serviceable if the minimum delivery is 80% of the specified delivery.

Pumps with a lower delivery must under all circumstances be replaced or repaired.

Delivery

Engine speed r.p.m.	Delivery kg/min.	Vacuum suction side mm Hg	Pressure delivery side atm.	Oil temperature °C.	Type of oil
5000	24.5	400	5	100°	Engine oil SAE 10

C. Cleaning and Checking of Oil Relief Valve

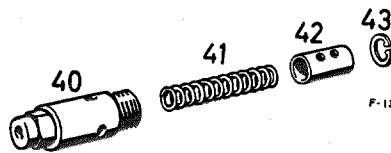


Fig. 18—5/6

40 Oil relief valve 6 atm.
41 Spring

42 Piston
43 Retainer ring

1. Disassemble the oil relief valve, removing the retainer ring (43), the piston (42) and the spring (41) from the valve housing.
2. Clean and check all parts, and check in particular the contact surfaces of the piston and cylinder. Test the spring on a spring tester.

The opening pressure is 6 ± 0.5 kg/cm².

Test Values for the Springs of the Oil Relief Valve

Length L and Pressure P					Gage of wire d mm	External diameter D mm
free length L mm	valve closed		valve open			
	L ₁ mm	P ₁ kg	L ₂ mm	P ₂ kg		
43.6	39	2.4	25	9.6	1.4	9.1—9.4

3. Reassemble the oil relief valve.