

Removal and Installation, Cleaning and Checking of Full-Flow Oil Relief Valve

Types 220 and 220a

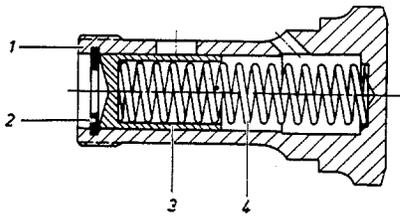


Fig. M 50/00

- 1 Oil relief valve
- 2 Lock ring
- 3 Plunger
- 4 Spring

Procedure:

1. Screw oil relief valve out of cylinder crankcase and disassemble by taking lock ring, plunger and spring out of valve housing.
2. Clean the parts and check them. Give the

sliding surfaces of piston and cylinder your particular attention.

Check spring with a spring testing scale (see Table 27).

3. Reassemble oil pressure valve and screw into the cylinder crankcase. Do not forget sealing ring.

The opening pressure is 6 ± 0.5 kg/sq.cm (85 ± 7 p.s.i.)

Table 27

Free L mm (in.)	Length L and pressure P				Wire thick- ness d mm (in.)	Outer dia. D mm (in.)
	Valve closed		Valve opened			
	L ₁ mm (in.)	P ₁ kg (lb.)	L ₂ mm (in.)	P ₂ kg (lb.)		
43.6 (1.72)	39 (1.53)	2.4 (5.3)	25 (0.98)	9.6 (21.2)	1.4 (0.055)	9.1-9.4 (0.36-0.37)