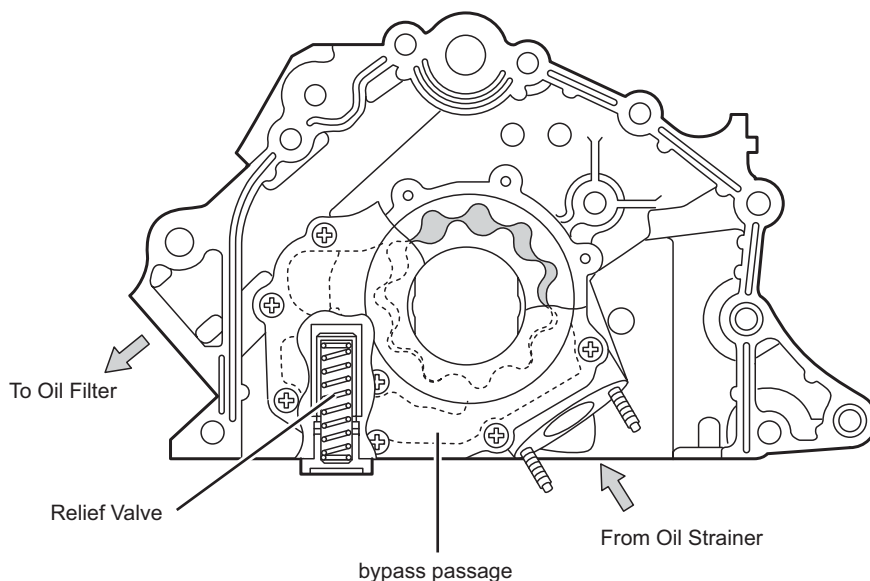


Oil Pump

- The oil pump consists of a compact, highly efficient, and multiple-teeth cycloid rotor that is driven directly by the crankshaft. Its discharge volume has been optimized to reduce friction loss. The drive rotor is a flangeless type, which enables the use of a rotor with a small diameter, thus reducing friction loss.
- An internal oil relief valve is used, and a bypass passage is provided to prevent the relieved oil from returning directly to the oil pan. This suppresses the oil level fluctuations in the oil pan and reduces friction.
- An FIPG (Formed-In-Place Gasket), which excels in sealing performance, is used on the mating surfaces between the cylinder block and the oil pan, to ensure reliability.



A4270148P

Oil Pump

Type	Trochoid Gear	
Pump Speed [rpm]	700	5600
Discharge Volume [L/min]	7.0	78.7
Discharge Pressure [kPa]	150	290
Relief Valve Opening Pressure [kPa]	—	440±39

Oil Filter

- An oil filter is installed facing down from the side of the cylinder block via a bracket, to facilitate service.
- An oil pressure switch is provided on the union bolt for the oil filter bracket.

Oil Filter

Type	Full-flow
Filtration Area [cm ³ (cu.in.)]	110.0 (6.711)
Outer diameter × Height [mm (in.)]	76.3 × 99.4 (3.004 × 3.913)
Relief Valve Opening Pressure [kPa]	100 ± 20