

LUBRICATION

SERVICE DATA

0304J-03

2AZ-FE

Oil pressure	at idle speed at 3,000 rpm	29 kPa (0.3 kgf·cm ² , 4.3 psi) or more 245 kPa (2.5 kgf·cm ² , 36 psi) or more
Oil pump		
Side clearance	Standard Maximum	0.030 to 0.085 mm (0.0012 to 0.0033 in.) 0.16 mm (0.0063 in.)
Tip clearance	Standard Maximum	0.080 to 0.160 mm (0.0031 to 0.0063 in.) 0.35 mm (0.0138 in.)
Body clearance	Standard Maximum	0.100 to 0.170 mm (0.00394 to 0.00669 in.) 0.325 mm (0.01280 in.)

3MZ-FE

Oil pressure	at idle speed at 3,000 rpm	29 kPa (0.3 kgf·cm ² , 4.3 psi) or more 245 to 539 kPa (2.5 to 5.5 kgf·cm ² , 36 to 78 psi)
Oil pump		
Side clearance	Standard Maximum	0.03 to 0.09 mm (0.0012 to 0.0035 in.) 0.15 mm (0.0059 in.)
Tip clearance	Standard Maximum	0.11 to 0.24 mm (0.0043 to 0.0094 in.) 0.35 mm (0.0138 in.)
Body clearance	Standard Maximum	0.125 to 0.162 mm (0.0050 to 0.0064 in.) 0.30 mm (0.0118 in.)