# LUBRICATION SYSTEM (2TR–FE)

170DL–03

## ON–VEHICLE INSPECTION

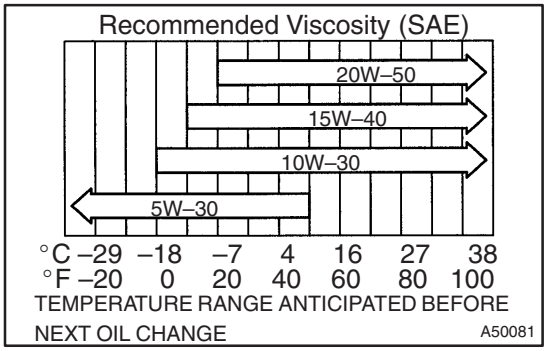
### 1. CHECK ENGINE OIL LEVEL

(a) When 5 minutes have elapsed after the engine stopped, the oil level should be between the low and full level marks on the dipstick.

If it is low, check for leakage and add oil up to the full level mark.

**NOTICE:**

**Do not fill with engine oil over the full level mark.**




### 2. CHECK ENGINE OIL QUALITY

(a) Check the oil for deterioration, water mixing, discoloring or thinning.

(b) If the oil quality is visibly poor, replace the oil.

HINT:

Oil grade:

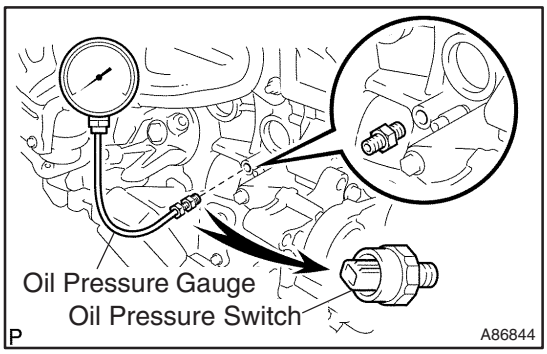
API grade SL or SJ, Energy–Conserving or ILSAC, or multi-grade engine oil is recommended. Recommended viscosity is as shown in the illustration.

### 3. REMOVE OIL PRESSURE SWITCH ASSY

(a) Disconnect the oil pressure switch connector.

(b) Using a 24 mm deep socket wrench, remove the oil pressure switch.

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### 4. INSTALL OIL PRESSURE GAUGE

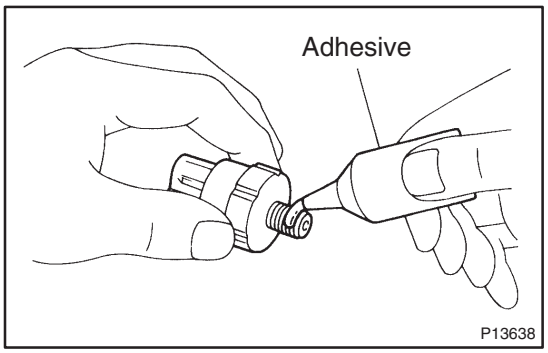
(a) Install the oil pressure gauge.

### 5. WARM UP ENGINE

### 6. CHECK OIL PRESSURE

**Oil pressure:**

| | |
|---|---|
| At idle | 29 kPa (0.3 kgf·cm$^2$, 4.2 psi) or more |
| At 3,000 rpm | 160 to 490 kPa (1.6 to 5.3 kgf·cm$^2$, 23 to 75 psi) |




**7. INSTALL OIL PRESSURE SWITCH**

(a) Remove the oil pressure gauge.

(b) Apply adhesive to 2 or 3 threads of the oil pressure switch.

**Adhesive:**
**Part No. 08833 – 00080, THREE BOND 1344, LOCTITE 242 or equivalent**

(c) Using a 24 mm deep socket wrench, install the oil pressure switch.

**Torque: 15 N·m (153 kgf·cm, 11 ft·lbf)**

**NOTICE:**
**Do not start the engine for 1 hour after installation.**

(d) Connect the oil pressure switch connector.

**8. START ENGINE AND CHECK FOR LEAKS**