

LUBRICATION SYSTEM

ON-VEHICLE INSPECTION

1. CHECK ENGINE OIL LEVEL

- (a) Warm up the engine, stop the engine and wait for 5 minutes. The oil level should be between the dipstick's low and full level marks.

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

NOTICE:

Do not fill engine oil above the full level mark.

2. CHECK ENGINE OIL QUALITY

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

If the quality is visibly poor, replace the oil.

HINT:

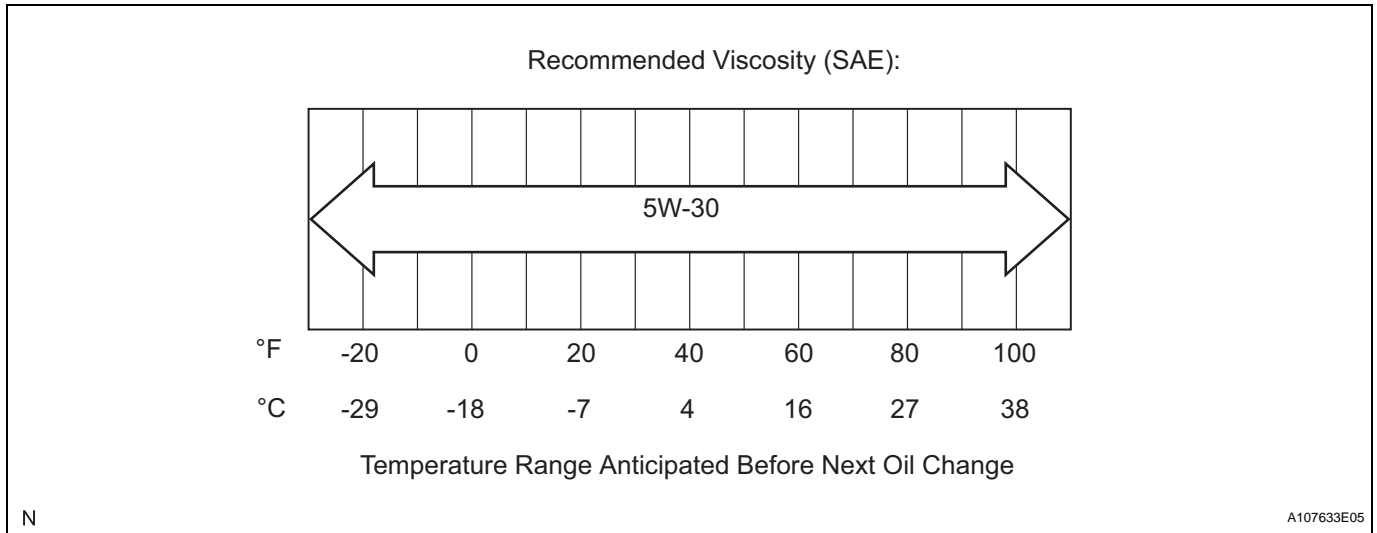
- TOYOTA Genuine Motor Oil is in this vehicle when it is shipped.
- Use TOYOTA approved TOYOTA Genuine Motor Oil or equivalent to satisfy the following grade and viscosity.

Oil grade:

ILSAC multigrade engine oil is recommended.

SAE 5W-30 is the best choice for good fuel economy and good starting in cold weather.

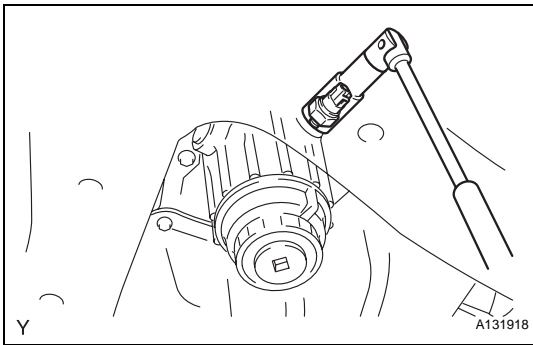
If SAE 5W-30 is not available, SAE 10W-30 may be used. However, it should be replaced with SAE 5W-30 at the next oil change.



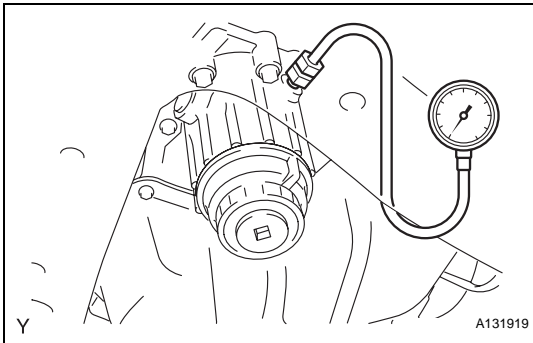
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3. CHECK ENGINE OIL PRESSURE

- (a) Disconnect the oil pressure switch connector.



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



- (c) Install the oil pressure gauge.
- (d) Warm up the engine.
- (e) Measure the oil pressure.

Standard oil pressure

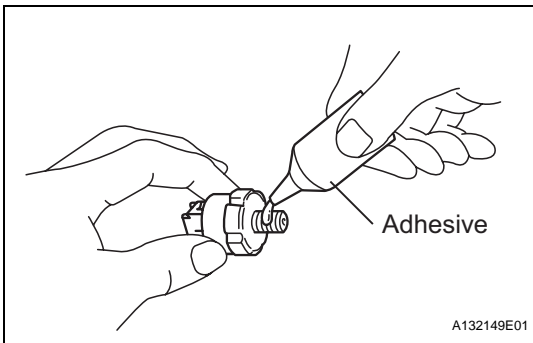
| Condition | Specified Condition |
|-----------|--|
| Idle | 80 kPa (0.8 kgf/cm ² , 11.6 psi) or more |
| 6,000 rpm | 380 kPa (3.9 kgf/cm ² , 55.5 psi) or more |

If the oil pressure is not as specified, check the oil pump.

- (f) Remove the oil pressure gauge.
- (g) Apply adhesive to 2 or 3 threads of the oil pressure switch.

Adhesive:

Toyota Genuine Adhesive 1344, Three Bond 1344 or Equivalent



- (h) Install the oil pressure switch.
Torque: 15 N*m (153 kgf*cm, 11 ft.*lbf)
NOTICE:
Do not start the engine for at least 1 hour after installation of the switch.

- (i) Connect the oil pressure switch connector.
- (j) Start the engine and check for engine oil leaks.

