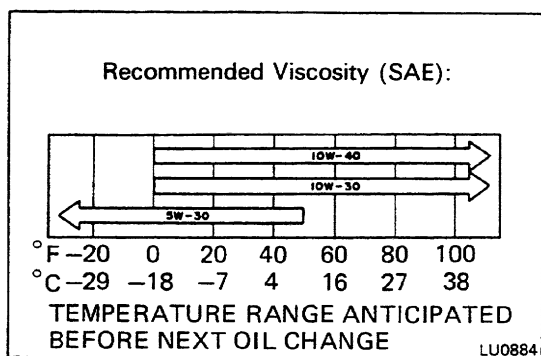


## TROUBLESHOOTING

| Problem           | Possible cause                                                                                                                                                       | Remedy                                                                                                                                          | Page                                                                                                                                                 |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Oil leakage       | Cylinder head, cylinder block or oil pump body damaged or cracked<br>Oil seal faulty<br>Gasket faulty                                                                | Repair as necessary<br><br>Replace oil seal<br>Replace gasket                                                                                   | <a href="#">EM-42</a> , 71                                                                                                                           |
| Low oil pressure  | Oil leakage<br>Relief valve faulty<br>Oil pump faulty<br>Engine oil poor quality<br>Crankshaft bearing faulty<br>Connecting rod bearing faulty<br>Oil filter clogged | Repair as necessary<br>Repair relief valve<br>Repair oil pump<br>Replace engine oil<br>Replace bearing<br>Replace bearing<br>Replace oil filter | <a href="#">LU-10</a> , 14<br><a href="#">LU-7</a><br><a href="#">LU-5</a><br><a href="#">EM-55</a><br><a href="#">EM-52</a><br><a href="#">LU-5</a> |
| High oil pressure | Relief valve faulty                                                                                                                                                  | Repair relief valve                                                                                                                             | <a href="#">LU-10</a> , 14                                                                                                                           |



## OIL PRESSURE CHECK

### 1. CHECK ENGINE OIL QUALITY

Check the oil for deterioration, entry of water, discoloring or thinning.

If the quality is poor, replace the oil.

Use API grade SG multigrade, fuel-efficient and recommended viscosity oil.

### 2. CHECK ENGINE OIL LEVEL

The oil level should be between the "L" and "F" marks on the dipstick.

If low, check for leakage and add oil up to the "F" mark.

### 3. REMOVE OIL PRESSURE SENDER GAUGE

### 4. INSTALL OIL PRESSURE GAUGE

### 5. START ENGINE

Start engine and warm it up to normal operating temperature.

### 6. CHECK OIL PRESSURE

Oil pressure:

At idle 0.3 kg /cm<sup>2</sup> (4.3 psi, 29 kPa)  
or more

At 3,000 rpm 2.5 – 5.0 kg/cm<sup>2</sup>  
(36 – 71 psi, 245 – 490 kPa)

HINT: Check for oil leakage after reinstalling the oil pressure sender gauge.

