Concrete and Mortar Mixer

Engine Crankcase Oil Filling Instructions

The following instructions are intended to assist the user in adding motor oil to the engine crankcase. Please read these instructions before operating mixer.

**WARNING**

Operating the engine with **no oil or low oil** can cause severe engine damage. Always check engine oil level before operating mixer.

When adding motor oil to the engine crankcase always use 4-stroke motor oil that meets or exceeds the requirements for API service classification SJ, SL, or the equivalent. Always check the API service label on the oil container to be sure it contains the letters SJ, SL, or equivalent.

SAE 10W-30 is recommended for general use. Other viscosities shown in Table 1 may be used when the average temperature in your area is within the indicated range.

**TABLE 1. RECOMMENDED MOTOR OIL**

<table>
<thead>
<tr>
<th>SAE</th>
<th>TEMP</th>
<th>5W-30</th>
<th>10W-30</th>
<th>10W-40</th>
<th>30</th>
</tr>
</thead>
<tbody>
<tr>
<td>10W-30</td>
<td>-30</td>
<td>-20</td>
<td>-10</td>
<td>0</td>
<td>20</td>
</tr>
</tbody>
</table>

**Engine Oil Level Check**

1. To add motor oil to the engine crankcase, place the mixer on secure level ground with the engine stopped.
2. Remove the dipstick (Figure 1) from the engine oil fill hole.
3. Using a funnel, fill with recommended oil (Table 1) to the upper limit (Figure 2) mark on the oil fill hole. (bottom edge). **DO NOT** overfill.

**Reduction Case Oil Level Check**

1. For **5.5 HP** engines (1/6 gear reduction), remove the filler bolt and oil level bolt (Figure 3). If oil begins to leak out from the reduction case as the oil level bolt is being removed, it can be assumed the reduction case oil level is correct.
2. If oil is not leaking from the reduction case, fill the reduction case with the same oil that is recommended for the engine. Fill until oil starts to flow from the oil level bolt hole.