SERVO® PRODUCT DATA SHEET
SERVO SUPER MG

GRADES AVAILABLE - SERVO SUPER MG 5W-30/ 10W-30/ 10W-40/ 20W-40/ 20W-50

DESCRIPTION
Servo Super Multigrade Oils are blended from highly refined base stocks and balanced additive package containing shear stable VI improver, metallic detergent dispersant and anti-oxidant. These oils are formulated to meet lubrication requirements of both gasoline and diesel engines. Servo Super Multigrade Oils are red in colour and suitable for all seasons.

APPLIcation
Servo Super MG oils are recommended for
- Modern passenger cars
- Naturally aspirated diesel engines operating under severe conditions.
- Supercharged diesel engines
- Vehicles encountering continuous start-stop operation.

PERFORMANCE BENEFITS
Servo Super Multigrade Oils
- Enable easy low temperature starting
- Minimise fuel and oil consumption
- Give longer battery life
- Provide maximum protection to engine parts against rust and corrosion
- Give good high and low temperature performance in the engine
- Minimise wear of engine parts
- Ensure system cleanliness by holding contaminants in finely dispersed state

PERFORMANCE STANDARDS
Meets the following specifications:
- API SC/CC
- US MIL-L-2104B
- E-PL 1/E-DL 1 of IS:13656-2002

APPROVAL
Servo Super MG oils are approved by leading auto manufacturers like-
TELCO, Ashok Leyland, Mahindra & Mahindra, Bajaj Tempo, etc.

CHARACTERISTICS

<table>
<thead>
<tr>
<th>SAE GRADE</th>
<th>5W-30</th>
<th>10W-30</th>
<th>10W-40</th>
<th>20W-40</th>
<th>20W-50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kinematic Viscosity cSt @ 100°C</td>
<td>11-12</td>
<td>9.5 - 11.5</td>
<td>13.5 - 15.5</td>
<td>13.5 - 15.5</td>
<td>17.5 - 19.5</td>
</tr>
<tr>
<td>Viscosity Index, Min.</td>
<td>150</td>
<td>135</td>
<td>140</td>
<td>110</td>
<td>125</td>
</tr>
<tr>
<td>Flash point (COC), °C Min.</td>
<td>160</td>
<td>190</td>
<td>190</td>
<td>200</td>
<td>200</td>
</tr>
<tr>
<td>Pour Point, °C Max.</td>
<td>(-) 33</td>
<td>(-) 27</td>
<td>(-) 27</td>
<td>(-) 21</td>
<td>(-) 21</td>
</tr>
<tr>
<td>TBN, mg, KOH/gm</td>
<td>9.2-12.0</td>
<td>6.5-8.5</td>
<td>4.5-6.0</td>
<td>4.2-8.0</td>
<td>4.5-6.0</td>
</tr>
</tbody>
</table>

HEALTH & SAFETY
These oils are unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of industrial and personal hygiene are maintained.

For further information please contact our nearest office OR:
Technical Services Dept., Indian Oil Corporation Ltd., G-9, Ali Yavar Jung Marg, Bandra (E), Mumbai-400 051
E-Mail: tservices@indianoil.co.in OR tech_services@indianoil.co.in