AGCO GEAR OIL

PRODUCT DESCRIPTION

AGCO Gear Oil is an extreme pressure multipurpose gear oil designed for use in heavily loaded steel gears of differentials and transmissions in Massey Ferguson farm equipment. It is also widely recommended in hypoid differentials of cars and some trucks.

AGCO Gear Oil contains sulphur-phosphorus extreme pressure additives which enable the oil to withstand high rubbing speeds and tooth pressures. These additives are activated by high localised temperatures on the gear tooth surface, and chemically react with the metal to form materials (metallic sulphides and phosphides) of low shear strength between the rubbing surfaces. This prevents welding, scuffing and galling of the gear teeth at their contact points.

Hypoid gear sets function at both high rubbing speeds and tooth pressures. The use of straight mineral or low quality extreme pressure gear oils in certain hypoid units will not prevent welding, scuffing and galling of the gear teeth and this can often lead to failure of the gears.

AGCO Gear Oil has very good thermal stability, resistance to oxidation and offers good corrosion protection to both ferrous and no-ferrous components. Anti-foam properties ensure a continuous film is maintained on gear surfaces while also preventing lubricant loss through breathers.

PRODUCT APPLICATION

AGCO Gear Oil is an extreme pressure hypoid lubricant designed for the protection of heavily loaded steel gears. It is recommended for use in differentials, gear boxes and steering gear of farm tractors, passenger cars, trucks, earthmoving and excavating machinery requiring a hypoid or extreme pressure lubricant.

PRODUCT FEATURES & BENEFITS

• Anti-weld – high tooth loadings can be tolerated
• High film strength – ensures maximum protection against wear and shock loads.
• Very good oxidation stability – minimises sludge formation during normal operation.
• Corrosion protection – safeguards against pitting of ferrous and staining of non-ferrous components.
• Anti-foam – maintains a continuous lubrication film and prevents oil loss through aeration and bleed through the breather.
Recommended where these applications are required:

- API Service Classification GL5
- SAE J306b Viscosity Classification 80W-90
- US Military MIL-L-2105, D and E, 80W-90
- Ford ESW-M2C-108A
- Massey Ferguson M1134

**TYPICAL CHARACTERISTICS**

<table>
<thead>
<tr>
<th>SAE Viscosity</th>
<th>Density @ 15°C</th>
<th>KV @ 100°C cSt</th>
<th>KV @ 40°C cSt</th>
<th>Pour Point °C</th>
<th>Flash Point °C</th>
<th>API GL Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>80W-90</td>
<td>0.894</td>
<td>14.3</td>
<td>139</td>
<td>-30</td>
<td>199</td>
<td>5</td>
</tr>
</tbody>
</table>

The above data is typical and does not constitute a specification.
HEALTH, SAFETY & ENVIRONMENT

AGCO Gear Oil is considered non-hazardous according to Worksafe. However, in line with safe handling practices, it is recommended that the handling instructions outlined in the Castrol Material Safety Data sheet be followed.

Spillage
Small: Soak up using an inert mineral adsorbent such as Castrol MOP S and dispose of in the appropriate manner.

Large: Corrective action usually dictated by individual company safety procedures. Immediate containment and subsequent removal is essential.

Disposal: Oily materials must not be allowed to enter groundwater, watercourses, sewerage or drainage systems. Refer to local Waste Disposal Authority for legal requirements.

Product Removal

Bare Metal Surfaces: Remove with Castrol solvent cleaners or water based degreasers.

Hand Cleaning: Use any of the Castrol range of hand cleaners, e.g. CareClean Plus.

Other Surfaces: Contact the Castrol Technical Advice Line on 1300 557 998.