



Product Data

Castrol Alpha SP 220™ Gear Oil

Description

Castrol Alpha SP product range are premium quality extreme pressure type industrial gear lubricants meeting most demanding requirements of new generation gear drives of heavy industrial machinery. These oils are blended from solvent refined base stocks with specially selected sulphur phosphorous type additive package to impart extreme pressure and anti wear characteristics. The product range have excellent thermal stability, low foaming and good demulsibility characteristics.

Application

Castrol Alpha SP gear oils are designed to meet lubrication requirements of enclosed gear drives of industrial machinery working under heavy to shock load conditions. These oils can also be used for lubrication of chain drives, sprockets, flexible couplings, plain and roller bearings.

The recommended maximum bulk fluid temperature is approximately 100 - 110°C. However continuous operation at this temperature may reduce service life of the oil. The products are not recommended for gear drives with brass / bronze components.

Advantages

| Product Feature | Operational Advantage | Customer Benefit |
|--|--|---|
| Selected Extreme Pressure additive Package | Minimal gear tooth wear even under heavy and shock load conditions | Extended gear life |
| High anti-oxidation Characteristics | Reduced oil thickening even on continuous operation at elevated temperature. | Increased oil change period |
| Corrosion inhibition | Rust and corrosion protection of components even during idling period. | Extended gear life |
| Superior demulsibility characteristics | Immediate water separation in event of leakage/ contamination; trouble free operating even in high humidity environment. | Total gear protection even in presence of water |
| Anti-foam | No foam build up even in system of gears | Smooth operation high pressure lubrication |

Castrol Alpha SP 220
11.11.2006, Version Number 1.0
"Castrol Alpha SP 220" and Castrol are trademarks of Castrol Limited, used under licence.

All reasonable care has been taken to ensure that the information included in this publication is accurate as of the date of printing. However, such information may nevertheless be affected by changes in the blend formulation occurring subsequent to the date of printing. Material Safety Data Sheets are available for all Castrol India Limited products. MSDS must be consulted for appropriate information regarding storage, safe handling and disposal of a product

Castrol India Limited, Industrial Lubricant & Services, Rayala Towers, II Tower, V Floor, 781-785, Anna Salai, Chennai – 600 002.
Tel: +91 44 42198899 Fax: +91 44 28416305 Toll Free: 1800 - 425 - 4588 (BSNL) Help Line: 044-39019019 Email:customer.service@castrol.com



Product Data

Performance Levels

Castrol Alpha SP product range have been formulated to exceed following stringent international specifications.

- ◆ AGMA 250.04 - 5 EP
- ◆ Cincinnati Milacron P-63, P-77, P-59 & P-35
- ◆ US Steel - No. 224
- ◆ David Brown ET 33/80-5 EP
- ◆ DIN 51517 Part 3
- ◆ BIS: 8406-1985
- ◆ IPSS: 1-09-003

Manufacturer's Approvals

Castrol Alpha SP grades are recommended by leading gear box manufacturers eg.

- ◆ David Brown Gear Industries (Pty) Ltd
- ◆ PfeifferAG
- ◆ Maschinenfabrik Gustav
- ◆ Mannesmann Demag
- ◆ Krupp Industrietechnik GmbH
- ◆ Renk
- ◆ Dorr-Oliver GmbH
- ◆ Stork Remu SpA

Characteristics

| Characteristics | Typical Value |
|----------------------------|---------------|
| ISO VG No. | 220 |
| Kin. Viscosity@ 40°C cst | 210-230 |
| Viscosity Index. | 95 |
| Flash Point °C, COC | 220 |
| Pour Point. °C | -21 |
| Rust Prev. Characteristics | Pass |

These are typical figures and do not constitute a specification.

Castrol Alpha SP 220
11.11.2006, Version Number 1.0
"Castrol Alpha SP 220" and Castrol are trademarks of Castrol Limited, used under licence.

All reasonable care has been taken to ensure that the information included in this publication is accurate as of the date of printing. However, such information may nevertheless be affected by changes in the blend formulation occurring subsequent to the date of printing. Material Safety Data Sheets are available for all Castrol India Limited products. MSDS must be consulted for appropriate information regarding storage, safe handling and disposal of a product

Castrol India Limited, Industrial Lubricant & Services, Rayala Towers, II Tower, V Floor, 781-785, Anna Salai, Chennai – 600 002.
Tel: +91 44 42198899 Fax: +91 44 28416305 Toll Free: 1800 - 425 - 4588 (BSNL) Help Line: 044-39019019 Email:customer.service@castrol.com