

PRODUCT & TECHNICAL DATA

ALPHA SP Extreme Pressure Gear Oils

DESCRIPTION

The Alpha SP Series are blended with sulphur-phosphorus compounds imparting extreme pressure and anti-wear properties.

These oils exhibit good thermal stability and oxidation resistance.

FEATURES/BENEFITS

They have good demulsification characteristics and low foaming tendencies while providing good rust and corrosion protection of metal surfaces

The Performance of **Alpha SP** gear oils are appropriately demonstrated by internationally recognised tests including FZG, Timken OK Load and 4-Ball ISL. results, as recorded under 'Typical Characteristics'.

APPROVAL STATUS

Castrol Aero HF585B is fully approved to the British Ministry of Defence specification DEF STAN 91-48/2, Joint Service Designation OM-15

Castrol Aero HF585B is a standardised alternative to the American specification MIL-H-5606E through the NATO number H-515.

TECHNICAL DATA

| Typical Characteristics | SP68 | SP100 | SP150 | SP220 | SP320 | SP460 |
|------------------------------------------|-------|-------|-------|-------|-------|-------|
| Density @ 15°C, kg/ltr | 0.888 | 0.888 | 0.893 | 0.898 | 0.903 | 0.903 |
| Viscosity at 40°C, cSt | 68 | 100 | 150 | 220 | 320 | 460 |
| Viscosity @ 100°C, cSt | 8.53 | 11.1 | 14.5 | 18.7 | 24.0 | 30.5 |
| Viscosity Index | 95 | 95 | 95 | 95 | 95 | 95 |
| Flash Point COC, °C | 240 | 249 | 249 | 249 | 255 | 255 |
| Pour Point, °C | -21 | -21 | -21 | -21 | -21 | -6 |
| Demulsibility, secs | 240 | 300 | 210 | 270 | 330 | 360 |
| FZG A/8.3/90- Load Stage | >12 | >12 | >12 | >12 | >12 | >12 |
| Timken OK Load, lbs | 60 | 60 | 60 | 60 | 60 | 60 |
| Four Ball Test, Initial seizure load, kg | 100 | 105 | 100 | 100 | 130 | 125 |