

AVIN Marine Series

Trunk Piston Engine Oils



Technical Data Sheet

ARGO S

MAN DIESEL & TURBO (MDT) NOLs; API Service CF; Caterpillar Series III

Description

ARGO S series are high-alkaline trunk piston engine oils for use in diesel marine engines operating on residual fuel of high sulphur content. They have excellent alkalinity retention characteristics preventing corrosive wear over long periods of operation. They also demonstrate excellent high temperature oxidation and thermal stability.

They are high quality crankcase and cylinder oils for modern medium- or high-speed marine engines, formulated from high VI paraffinic base oils and an additive package with detergent-dispersant, anti-corrosion and antifoam properties.

Functional Characteristics

- Superior alkalinity retention.
- Good water rejection properties.
- High protection against bearing corrosion and low port clogging tendencies.
- Good filterability and centrifuge ability.
- Good deposit and wear control.

Typical Use

They are high performance lubricants designed for use in medium-speed, in main propulsion and auxiliary engines on deep-sea vessels, on coastal ships and in stationary power plants, that run on residual fuels with sulphur content 2-3%. They are also suitable for the separate bearing lubrication and piston cooling of large crosshead type engines operating under severe conditions. ARGO S carry non-objection letters by MDT.

Typical Characteristics

| ARGO S | 30 | | 40 | | 50 |
|------------------------------|-------|------|------|-------|-------|
| SAE | 30 | 40 | 30 | 40 | 40 |
| Specific gravity at 15°C/4°C | 0,906 | 0,91 | 0,91 | 0,920 | 0,916 |
| Viscosity at 40°C, cst | 111 | 152 | 112 | 163 | 162,5 |
| Viscosity at 100°C, cst | 11,8 | 14,5 | 11,8 | 15,1 | 15,2 |
| Viscosity Index | 93 | 92 | 93 | 92 | 93 |
| Flash Point (C.O.C.), °C | 225 | 230 | 225 | 230 | 230 |
| Pour Point, °C | -15 | -12 | -15 | -12 | -12 |
| TBN | 32 | 32 | 42 | 42 | 50 |