



Daphne Super Gear Oil Series

High Performance Gear Oil

Description

Daphne Super Gear Oil is a superior quality gear oil formulated with highly refined paraffinic base oil incorporating various additives such as oxidation inhibitor, rust prevention additive, anti-foaming and oiliness agents to provide excellent performance.

Application

Recommended for use in mining industry as a lubricating oil for enclosed type gear speed reducers in most heavy machineries. It is most efficient as lubricating oil for bearing and gears where particularly high oil film strength is required.

Characteristics

1. **Excellent Oxidation Stability** - A combination of oxidation inhibitor and highly refined paraffinic base oil assures excellent oxidation stability under severe operating condition and assures longer oil life.
2. **Excellent Anti-Pitting, Anti-Wear & Anti-Seizure Properties** - Addition of special oiliness and extreme pressure agents give this oil excellent anti-pitting, anti-wear & anti-seizure properties which help to extend gear service life.
3. **Excellent Demulsibility** - Extremely quick separation with water prevents formation of sludge and rust.
4. **Excellent Anti-Corrosion & Anti-Rust Properties** - Effective rust preventive agent and corrosion inhibitor prevent corrosion caused by water and acid produced through deterioration process.

Packing

20L pail, 200L drum

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Lubricant Product Information



Typical Specifications

Daphne Super Gear Oil Series

| Available Grades | ASTM | <u>68-S</u> | <u>100-S</u> | <u>150-S</u> | <u>220-S</u> | <u>320-S</u> |
|---------------------------------|--------|-------------|--------------|--------------|--------------|--------------|
| | METHOD | | | | | |
| Density 15 °C g/cm ³ | D-4052 | 0.8845 | 0.8887 | 0.8915 | 0.8940 | 0.8953 |
| Flash Point (COC) °C | D-92 | 240 | 248 | 252 | 272 | 282 |
| Viscosity, cSt @ 40 °C | D-445 | 68.64 | 99.79 | 150.4 | 219.6 | 321.5 |
| @ 100 °C | | 8.753 | 11.14 | 14.75 | 19.28 | 24.92 |
| Viscosity Index | D-2270 | 99 | 98 | 97 | 99 | 99 |
| Pour Point, °C | D-6749 | -15.0 | -15.0 | -12.5 | -12.5 | -12.5 |
| TAN (mgKOH/g) | D-974 | 0.56 | 0.56 | 0.56 | 0.35 | 0.38 |
| Copper Corrosion (100°C x 3h) | D-130 | 1 | 1 | 1 | 1 | 1 |
| FZG Gear Test (OK stage) | - | 12 | 12 | 12 | 12 | 12 |

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**Typical Specifications****Daphne Super Gear Oil Series**

| Available Grades | ASTM | <u>460</u> | <u>680</u> | <u>1500</u> | <u>4600</u> |
|---------------------------------|--------|------------|------------|-------------|-------------|
| | METHOD | | | | |
| Density 15 °C g/cm ³ | D-4052 | 0.9028 | 0.9061 | 0.9345 | 0.9472 |
| Flash Point (COC) °C | D-92 | 296 | 300 | 244 | 254 |
| Viscosity, cSt @ 40 °C | D-445 | 459.9 | 673.6 | 1510 | 4400 |
| @ 100 °C | | 30.85 | 38.80 | 55.70 | 101.0 |
| Viscosity Index | D-2270 | 97 | 95 | 80 | - |
| Pour Point, °C | D-6749 | -12.5 | -10.0 | -10.0 | +2.5 |
| TAN (mgKOH/g) | D-974 | 0.38 | 0.38 | 1.88 | 2.16 |
| Copper Corrosion (100°C x 3h) | D-130 | 1 | 1 | 1 | 1 |
| FZG Gear Test (OK stage) | | 12 | 12 | 12 | 12 |

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