



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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