Lubricants info.

Idemitsu Kosan Co.,Ltd.

IDEMITSU

Lubricant Product Information

DAPHNE ALPHA WORM 320/460

High Performance Gear Oil

Description

A series of worm gear oils formulated with high purity synthetic base oil combined with various additives such as special extreme pressure agents and oiliness agents.

Application

Non-ferrous metal friendly worm gear oil. Specially recommended to be used for the lubrication of worm gear and screw nut etc.

Characteristics

1. **Excellent wear resistance for both steel and non –ferrous metals.**
2. **Excellent oil film strength and low coefficient of friction improves gear transmission efficiency.**
3. **High Viscosity Index and Low Pour Point enables it to be used in a wide temperature range.**
4. **Superior oxidation stability enables prolong operation even under high temperature.**
5. **Compatible with seal materials and paint.**

Packing

20L pail, 200L drum

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Typical Specifications — Daphne Alpha Worm 320/460

Available Grades	ASTM METHOD	320	460
Colour	-	L0.5	L0.5
Density 15 °C g/cm^3	D-4052	0.8489	0.8499
Flash Point (COC) °C	D-92	232	232
Viscosity, cSt @ 40 °C	D-445	326.6	462.1
@ 100 °C		37.38	50.04
Viscosity Index	D-2270	163	170
TAN (mgKOH/g)	D-974	2.22	2.17
Foam Tendency/ Stability :			
Sequence I : @24°C	D-892	570-400	-
Pour Point °C	D-6749	-40	-40
Rust Preventive Test @60 °C x 24h	-	No Rust	No Rust
Copper Corrosion (100°C x 3h)	D-130	1(1a)	1(1a)