

DAPHNE SUPER HYDRO ST

Description

Daphne super hydro ST is an energy-saving hydraulic oil developed to realize energy saving by hydraulic oil.

Features & Characteristics

This is an energy-saving, low-friction, high-viscosity-index non-Zn-based wear-resistant hydraulic oil.

- (1) This is an energy-saving hydraulic oil that can reduce power loss and consumption.
- (2) It adopts high viscosity index oil (HVI base oil).
- (3) Excellent heat resistance lead to low sludge generation, and little sludge adherence to tanks and filters
- (4) Since it has excellent wear resistance, it is possible to reduce wear of hydraulic pumps, motors, actuators, etc.
- (5) It has excellent compatibility with rubber materials such as seals and O-rings, and is excellent in lubrication of seals and cylinders.

Chemical and Physical Properties

Test Item	Test Method	Unit	VG32 Result	VG46 Result
Density at 15°C	ASTM D4052	g/cm ³	0.85	0.85
Viscosity at 40°C	ASTM D445	mm ² /s	32.6	46.9
Viscosity at 100°C	ASTM D445	mm ² /s	6.3	8.5
Viscosity Index	ASTM D2270	-	148	161
Acid Number	ASTM D974	mgKOH/g	0.21	0.23
Color(ASTM)	ASTM D1500	-	L0.5	L0.5
Flash point(COC)	ASTM D92	°C	228	236
Pour Point	ASTM D97	°C	-53.0	-41.0
Water Separability at 54°C	ASTM D1401	min	12	15
Copper Corrosion 100°C×3h	ASTM D130	-	1(1b)	1(1b)

Package

200L D/M, 20L P/L

- Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provide in the Safety Data Sheet (SDS) are followed.
- SDS is available upon request through your sales contract office, or via the internet.
<https://www.idemitsu.com/jp/business/lube/>
- Due to continual product research and development, the information contained herein is subject to change without notification.

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