



# **Daphne Super Hydro A Series**

## **High Performance Hydraulic Oil**

### **Description**

Daphne Super Hydro A series of Zinc-free hydraulic fluids have been formulated with highly refined hydro-treated base oil together with anti-wear, anti-oxidant and various additives to provide superior performance in hydraulic systems.

### **Application**

This series of hydraulic fluid is suitable for all hydraulic power units including the advanced high-pressure hydraulic power units, which operate with higher thermal load.

### **Characteristics**

1. **Excellent Heat Resistance, Oxidation And Thermal Stability** - A highly refined hydro treated paraffin base oil and anti-oxidant assures excellent oxidation and thermal stability and reduce sticking problems caused by formation of sludge. Prevents sludge formation in the hydraulic tank and filter.
2. **Extended Oil Change** - Much longer oil change interval compared with those Zinc anti-wear type hydraulic fluids.
3. **Excellent Anti-Wear Properties** - Addition of special anti-wear agent assures excellent anti-wear properties to reduce maintenance down time.
4. **Excellent Demulsibility** - Extremely quick separation with water prevents it from emulsifying with water makes it most suitable for preventing machine parts from rust and corrosion.
5. **Low Pour Point** - Addition of pour point depressant reduces power loss and warming up time, ensuring energy conservation.

### **Packing**

20L pail, 200L drum

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**Typical Specifications****Daphne Super Hydro A Series**

Available Grades	ASTM METHOD	22A	32A	46A	68A	100A	150A
Colour	D-1500	L0.5	L0.5	L0.5	L0.5	L0.5	L0.5
Density 15 °C g/cm <sup>3</sup>	D-4052	0.8417	0.8647	0.8675	0.8706	0.8732	0.8761
Flash Point (COC) °C	D-92	218	218	230	248	268	274
Viscosity, cSt @ 40 °C	D-445	21.71	31.65	45.74	68.56	97.56	146.20
@ 100 °C		4.515	5.407	6.909	9.025	11.480	15.210
Viscosity Index	D-2270	123	105	107	106	105	105
TAN (mgKOH/g)	D-974	0.15	0.16	0.14	0.14	0.18	0.17
Pour Point °C	D-6749	-30.0	-40.0	-37.5	-30.0	-30.0	-17.5
Foaming @ 24°C	D-892	0-0	0-0	0-0	0-0	0-0	0-0

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