



Daphne Bios Hydro SE

Superior Heat Resistant Synthetic Ester Type Biodegradable Fire Resistant Hydraulic Fluid

Description

Daphne Bios Hydro SE is formulated with high quality synthetic ester, antioxidant and various additives to provide excellent performance as biodegradable and fire resistant hydraulic fluid.

Application

Daphne Bios Hydro SE is highly recommended for use as biodegradable hydraulic fluid in various outdoor hydraulic power units. In addition, its exceptionally high flash point enables it to be used as fire resistant hydraulic fluid.

Characteristics

1. Excellent biodegradation characteristics.
2. Far superior oxidation stability compare with other vegetable type biodegradable hydraulic fluids.
3. High viscosity index enables a much higher and wider operation temperature range.
4. Able to be disposed like mineral type hydraulic fluid.
5. Classified as combustible fluid rather than dangerous material due to its higher than 250°C flash point.

Precaution in use

1. Daphne Bios Hydro SE is friendly to general oil proof gasket; however, caution must be taken to avoid its use with butyl rubber seal or gasket.
2. Daphne Bios Hydro SE is not compatible with some paints, e.g. paint of phthalic acid and phenol resin type. Do consult with paint manufacturer or Idemitsu before use.

Packing

200L drum

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Lubricant Product Information

Typical Specifications

Daphne Bios Hydro

Available Grades	ASTM	22SE	32SE	46SE
METHOD				
Flash Point (COC) °C	D-92	260	278	312
Viscosity, cSt @ 40 °C @ 100 °C	D-445	21.90 4.748	31.87 6.629	49.11 9.727
Viscosity Index	D-2270	141	170	188
TAN (mgKOH/g)	D-974	0.78	0.95	1.06
Pour Point °C	D-6749	-38.0	-38.0	-35.0
Foaming @ 24°C	D-892	0-0	0-0	10-0
Emulsion Resistance @54 °C 3ml min		20	20	10
Copper Corrosion 150 °C X 3 3hrs		1 (1B)	1 (1B)	1 (1B)

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