

PRODUCT INFORMATION

ECOSE[®] Green NS Hydraulic Oil

No Sheen, Non-Toxic, Anti-Wear

ECOSE[®] Green NS Hydraulic Oil is a premium quality, anti-wear hydraulic oil designed for use in various mobile and stationary hydraulic equipment, compressors and lifts that operate in environmentally sensitive areas where leaks or spills of hydraulic fluid could result in contamination of the soil or nearby waterways. The zinc-free formulation is considered to be non toxic to aquatic life and has been formulated to comply with the U.S. EPA LC-50 testing criteria adopted by the U.S Fish and Wildlife Service for mysidopsis-bahia shrimp, rainbow trout and fathead minnows.

The unique aromatic-free chemistry incorporated in this environmentally friendly hydraulic oil is ideally suited for applications that require strict compliance with U.S Coast Guard static sheen test requirements.

Features and Benefits:

- **High Performance** – excellent wear protection for critical system components.
- **Environmentally Friendly / Non-Toxic** – formulated to pass acute aquatic toxicity testing.
- **Inherently Biodegradable**- when compared with conventional AW hydraulic oils.
- **Longer Service Life** – when compared to conventional zinc containing hydraulic oils or vegetable base oils.

ECOSE[®] Green NS Hydraulic Oil meets the following hydraulic equipment manufacturers’ specifications:

- Denison HF-0
- Eaton Vickers M-2950-S and I-286-S
- MAG (formerly Cincinnati Machine) P68 (ISO 32), P-70 (ISO 46) and P-69 (ISO 68)
- DIN 51524 Part 2 HLP
- Bosch-Rexroth RD 90220
- Conestoga Pump Test ISO 20763

***Typical Properties**

ISO Viscosity		32	46	68
Product Code	Test Method	534932	534946	534968
Specific Gravity, 15.6 °C		0.85	0.86	0.87
Density, lb.gal		7.05	7.14	7.22
Viscosity cSt @ 40°C	ASTM D445	32	46	68
Viscosity cSt @ 100°C	ASTM D445	5.5	6.8	8.8
Viscosity Index	ASTM D2270	105	102	100
Color	ASTM D1500	L1.0	L1.0	L1.0
Flash Point, COC, °F (°C)	ASTM D92	420 (215)	425 (218)	430 (221)
Oxidation Life, hrs. to 2.0 Acid No. (est.)	ASTM D943	6,000+	6,000+	6,000+
Pour Point °F (°C)	ASTM D97	-20 (-28)	-20 (-28)	-20 (28)
Four Ball Wear, 40Kg	ASTM D4172	0.42	0.35	0.44

**Typical test data are average values only. Minor variations which do not affect product performance are to be expected in normal manufacturing.*

AVAILABILITY:

ECOSE[®] Green NS Hydraulic Oil is available throughout Nu-Tier Brands’ marketing area. Your Nu-Tier representative can provide specific information. Need additional information? Call Nu-Tier Brands @ 1-877-771-LUBE (5823) or visit www.nu-tierbrands.com.