

PRODUCT INFORMATION

ECOSE[®] NZ HYDRAULIC FLUIDS

ASHLESS ZINC FREE HYDRAULIC OIL

ECOSE[®] NZ Hydraulic Fluids are premium non-zinc antiwear hydraulic fluids developed for high pressure, high output systems and other requirements where an ashless product is desired. They are designed for use in high pressure, high speed hydraulic pumps used in industrial and mobile hydraulic systems.

FEATURES AND BENEFITS:

- Excellent anti-wear protection for pumps, motors, valves and other hydraulic components
- Excellent rust and corrosion protection for all metal components
- Full antioxidant and anti-foam protection; low air entrainment
- Outstanding hydrolytic stability
- Ashless, high thermal stability

APPLICATIONS:

ECOSE[®] NZ Hydraulic Fluids are recommended in hydraulic systems where the equipment manufacturer specifies a zinc-free antiwear hydraulic oil. Hydraulic equipment used in environmentally sensitive areas, such as national parks, wildlife refuges, ski resorts and other recreational areas. Other applications include air compressors, non-EP gear and bearing circulating oil systems.

They meet the requirements for:

- Denison HF-0, HF-1, HF-2
- Vickers I-286S, M-2952-S
- Cincinnati Milacron P-68, P-69, P-70
- US Steel 127, 136
- ISO 11158:1997, Family H (Hydraulic Systems), Type HM
- Bosch Rexroth RE 90220, Type HLP
- Lee Norse 100-1
- Jeffrey No. 87
- BF Goodrich 0152

AVAILABILITY:

ECOSE[®] NZ Hydraulic Fluids are 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 Nu-tierbrands.com.

ECOSE[®] NZ Hydraulic Oils

Typical Properties

ISO Viscosity Grade		22	32	46	68	100
Product Code	Test Method	534226	534228	534230	534241	534243
Viscosity, cSt @ 40°C	ASTM D-445	22.0	32.0	46.0	68.0	100.0
Viscosity, cSt @ 100°C	ASTM D-445	4.5	5.5	6.9	8.9	11.2
Viscosity Index	ASTM D-2270	110	108	105	104	100
Pour Point, °F	ASTM D-5949	-40	-36	-36	-32	-28
Flash Point, COC, °F	ASTM D-92	400	410	430	450	490
Rust Test	ASTM D-665 A&B	Pass	Pass	Pass	Pass	Pass
Oxidation Stability, hours	ASTM D-943	5,000+	5,000+	5,000+	5,000+	5,000
Cincinnati Machine		-	P-68	P-70	P-69	N/A
API Gravity, 60°F	ASTM D-4052	33.4	33.0	32.8	32.0	31.2
Density, lbs/gal (g/L)	Calculated	7.14	7.16	7.17	7.21	7.24