Hydromax HT ECO 68 (AS)

Hydro treated based high performance readily biodegradable hydraulic fluid

Description

High performance hydraulic fluid, based on the latest technology hydro treated base oil and ashless additive technology. The use of special additive packs warrants optimal performance and a long service life. Hydromax HT ECO combines high viscosity – temperature characteristics with good extreme pressure and anti-wear properties for reliable and trouble-free performance even at high operating temperatures.
Hydromax HT ECO AS (Anti Static) is similar to Hydromax HT ECO. Because of absence of metals in the zinc free formulation the hydraulic oil influences conductivity which can create issues with the unloading of static electricity.
Hydromax HT ECO AS is formulated to give good conductivity (>2000pS/m) at the same performance level.

Applications

- Particularly suitable for hydraulic applications which are environmentally sensitive
- Can be used in all available hydraulic applications, as well as light gear boxes and is perfectly suitable for general lubrication purposes
- Developed to provide trouble free operation, especially in cases where a conventional based hydraulic fluid fails (sludge and deposit creation at higher temperatures etc.)
- Recommended for high pressure hydraulic systems or equipment operating over wide temperature ranges where it is critical to retain viscosity-temperature characteristics under high shear conditions
- The high viscosity index Hydromax HT ECO ensures a low start up viscosity, as also a stable protecting lubricating film at high operating temperatures
- Hydromax HT ECO AS can be used in high flow hydraulic systems in gas and offshore industry.
- Formulated to meet and exceed; Denison HF-0, Eaton Vickers M-2950-S and I-286-S, Bosch Rexroth DIN 515244 Part 3

Benefits

- Excellent anti-wear protection
- Good emulsifying and air-release properties
- Good anti-oxidation for a long service life (up to 10.000 hours, ASTM D943)
- Lasts up to three times longer than the leading conventional hydraulic fluids
- Excellent anti-corrosion properties
- Excellent low & high temperature properties
- No sludge and deposit creation due to the absence of aromatics
- Zinc free formulation
- Low friction and therefore up to 8% less energy consumption in comparison with conventional hydraulic fluids

Typical performance data

	Test method	68 (AS)
Appearance	Visual	Amber translucent
Density @ 29,5 °C	ASTM D1298	0,860
Viscosity @ 40 °C, cSt	ASTM D445	68
Viscosity @ -20 °C, cSt	ASTM D445	
Viscosity @ 80 °C, cSt	ASTM D445	
Viscosity @ 100 °C, cSt	ASTM D445	11
Viscosity Index	ASTM D2270	153
Flash point, °C	ASTM D92	242
Pour point, °C	ASTM D97	-42
Copper corrosion test @ 100 °C / 3 hrs.	ASTM D130	1a
Rust preventive characteristics	ASTM D665AB	Passes
Emulsion characteristics, max	ASTM D1401	20
T.A.N., mg KOH/g, max	ASTM D664	1.0
FZG	DIN 513542	12
Foaming characteristics, 10 min • Sequence I • Sequence II • Sequence III	ASTM D892	 Nil Nil Nil