



MADE IN HOLLAND

TECHNICAL DATA SHEET

HYDRA ECO

BIODEGRADABLE HYDRAULIC FLUID

Description

Hydra ECO is a premium quality anti-wear hydraulic oil, using severely hydro-treated base oil and zinc-free additive technology. Thanks to its excellent biodegradability, it can be used in environmentally sensitive areas, such as in forestry applications. This hydraulic oil guarantees optimum performance and long service life even at high temperature operations.



Performance levels

- DIN 51524 part 3
- Denison HF-0
- Eaton Vickers M-2950-S and I-286-S
- Bosch Rexroth



Benefits

- Optimum anti-wear protection
- Long service life (up to 10.000 hours in Anti-oxidation test ASTM D943), three times longer than conventional hydraulic fluids
- Ashless formulation
- Excellent air-release and emulsifying properties.
- Low friction properties (less energy consumption)
- Excellent behavior at low and high temperatures
- No sludge or deposit formation thanks to absence of aromatic compounds in base oils
- Extended lifetime
- Zinc Free

Typical Properties

ISO VG		32	46
Density @ 15°C	kg/L	0.835	0.84
Kinematic viscosity @ 100°C	cSt	6.6	7.9
Kinematic viscosity @ 40°C	cSt	35	46
Kinematic viscosity @ -20°C	cSt	1200	2100
Viscosity Index		180	182
Pour point	°C	-42	-42
Flash point C.O.C.	°C	235	240
Biodegradability OECD 301B (28 days)		38%	38%
Biodegradability OECD 301B (60 days)		50%	50%
Biodegradability OECD 301F (28 days)		>70%	>70%
Fish, Acute Toxicity Test EL50-96u OECD 203		No Toxicity (>1,00/1000)	No Toxicity (>1,00/1000)
Daphnia sp. Acute Immobilisation Test, EL50-96u OECD 202		No Toxicity (>0,1131/1000)	No Toxicity (>0,1131/1000)

All performance data on this Technical Data Sheet are indicative only and can vary during production • Version 04-06-2020

Rymax B.V. • +31 (0) 316 740 856 • info@rymax-lubricants.com • www.rymax-lubricants.com