

HYDRAUNYCOIL FH 4450

ISO DIS 6743/4 - cat. HV
 DIN 51524 part 3 (*)

BIODEGRADABLE SYNTHETIC TOP TIER
 HYDRAULIC FLUID - ISO VG 68

DESCRIPTION :

HYDRAUNYCOIL FH4450 is based on a synthetic carboxylic ester showing high resistance against oxidation and contains specific ashless additives improving its general properties.
 HYDRAUNYCOIL FH4450 is an ISO VG 68 viscosity grade with a high viscosity index.

APPLICATION :



HYDRAUNYCOIL FH4450 has been developed to answer the growing demand for environmental friendly lubricants with improved lifetime.
 HYDRAUNYCOIL FH4450 is intended for all mobile and stationary applications where losses in the nature may occur such as off-highway and tunnelling equipment, offshore facilities, boats, sluices, ...
 HYDRAUNYCOIL FH4450 is compatible with all the elastomers currently used in hydraulic systems. It is not compatible with natural rubber and EPDM.

ADVANTAGES :

- Higher life time than vegetable oil or unsaturated esters based fluids
- High VI and low pour point. Suitable for a wide range of temperature
- Compatible with mineral oil and vegetable oil based fluids
- biodegradability and based on renewable raw materials

CHARACTERISTIC	UNIT	RESULT	TEST METHOD
- Appearance	-	Clear, bright and free from sediments and other impurities.	visual examination
- Density at 20°C	kg/dm ³	0.944	ISO 12185
- Flash point, COC	°C	274	ISO 2592
- Pour point	°C	-36	ISO 3016
- Total acid number	mg KOH/g	0.59	ISO 6618
- Kinematic viscosity at 100°C	mm ² /s	11.7	ISO 3104
40°C		72.5	
-20°C after 72 hours		2163	
- Viscosity Index	-	156	ISO 2909
- Foaming at 24°C	cm ³	50	ISO 6247
Tendency			
Stability	0		
- Foaming at 94°C	cm ³	30	ISO 6247
Tendency			
Stability	0		
- Foaming at 24°C/94°C	cm ³	20	ISO 6247
Tendency			
Stability	0		
- Demulsibility	min	30	ISO 6614
- Filterability AFNOR	-	1.1	NFE 48-690
dry			
wet	1.1	NFE 48-691	
- Filtrability CETOP	%	96	RP 124H
Part 1			
Part 2	90		
- Oxidation stability	hours	4284	ASTM D943(*)
- Steel corrosion 24h 60°C	-	Pass	ISO 7120 A & B
- Copper corrosion 3h 100°C	-	1a	ISO 2160
- FZG	damage stage	>12	DIN 51354
- Vickers 35VQ25 vane pump test	-	pending	
- 4-ball test results	mm	0.39	ASTM D 4172
1hour - 392 N			
- Biodegradability	%	70	ISO 9439

(*) modified: the water is replaced by the fluid due to the biodegradable basestock