Version : 1.2
Date : may 1, 2020

UNISOL ECO S 32/46/68

Description

Unisol Eco S is a high quality hydraulic oil based on biodegradable synthetic esters under addition of additives to obtain the following properties:
- a very low pour point
- good water separation
- a high and stable viscosity index
- excellent wear-preventing properties
- a very good activity against corrosion
- reduced harm for water and soil during use
- contains a large fraction of biobased material
- very good deaerating and foam suppressing properties
- an excellent stability against oxidation (even at high temperatures)
- a good compatibility with seals and gaskets made from synthetic material
- reduced harm for water and soil during use

Application

Unisol Eco S is a high quality biodegradable hydraulic oil suitable for heavyduty hydraulic systems of earthmoving equipment and permanent installations, that have to work under high pressures over a wide temperature range. This hydraulic oil is especially developed for situations where pollution of the environment is expected and and where very high operating temperatures can be realised

Specifications

Ecolabel
Biodegradability according OECD 301 B > 70%
ISO 15380 HEES
Elastomer compatibility:
Tested Nitrile Butadiene NBR1-pass
Tested Fluor Carbon FMK2-pass
Swedish Standard SS 15 54 34

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PRODUCT DATA SHEET

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Typical Characteristics			**32**	**46**	**68**
Density at 15 °C,	kg/l	:	0,928	0,915	0,924
Viscosity 40 °C,	mm²/s	:	31,2	46	70,20
Viscosity 100 °C,	mm²/s	:	7,02	9,30	12,40
Viscosity Index		:	197	191	176
Flash Point COC,	°C	:	266	270	270
Pour Point,	°C	:	-39	-38	-40
Acid number, mg	KOH/g	:	1,72	1,70	1,91

Volume	Art.no. ISO VG 32	ISO VG 46	ISO VG 68
1 ltr	330301	330311	330321
4 ltr	330304	330314	330324
5 ltr	330305	330315	330325
20 ltr	3303020	3303120	3303220
60 ltr	3303060	3303160	3303260
208 ltr	33030208	33031208	33032208
bulk	33030	33031	33032

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