

# RAVENOL Hydraulikoel TS 46 (HLP)

**SAE: 46**

**Mineral**



**1 l**

Vendor:  
**1323105-001**



**5 l**

Vendor:  
**1323105-005**  
Vendor:  
1323105-005-01-999  
Barcode:  
4014835759459



**10 l**

Vendor:  
**1323105-010**



**20 l**

Vendor:  
**1323105-020**  
Vendor:  
1323105-020-01-999  
Barcode:  
4014835759428



**20 l, ecobox**

Vendor:  
**1323105-B20**



**60 l**

Vendor:  
**1323105-060**  
Vendor:  
1323105-060-01-999  
Barcode:  
4014835759466



**208 l**

Vendor:  
**1323105-208**  
Vendor:  
1323105-208-01-999  
Barcode:  
4014835759480



**208 l, տպագիր տակառ**

Vendor:  
**1323105-D28**



**1 000 l**

Vendor:

**1323105-700**

Vendor:

1323105-700-01-999

Barcode:

4014835759473

**RAVENOL Hydraulikoel TS 46 (HLP)** is optimal alloyed mineral hydraulic oil with a high performance level and a wide application area of the whole industry.

**RAVENOL Hydraulikoel TS 46 (HLP)** with efficient additives offers an excellent corrosion protection even under extreme loads. The behaviour of sealing materials is neutral.

**RAVENOL Hydraulikoel TS 46 (HLP)** is characterised by good viscosity temperature behaviour, a high aging resistant and a solid corrosion protection.

## Application Note

**RAVENOL Hydraulikoel TS 46 (HLP)** is for universally use in all hydraulic systems.

**RAVENOL Hydraulikoel TS 46 (HLP)** is recommended in high performance hydraulic systems with high pressure pumps of all types, in sensitive control systems.

**RAVENOL Hydraulikoel TS 46 (HLP)** is used for hydraulic systems in agriculture, to supply small gearboxes and for use in circulating systems.

## Characteristics

- a high performance level
- a very good viscosity temperature behaviour
- a high aging resistant
- an excellent corrosion protection
- a solid corrosion protection
- neutrality of sealing materials

## Characteristics

Title	Value	Audit
ASTM	D6158	
Համապատասխանում է արտադրողի պահանջներին	AFNOR NFE 48-603 HM, Bosch Rexroth RE 90220, Cetop RP 2950-S, Cetop RP 91H HM, Danieli Hydraulics, Eaton Vickers I-286-S, FZG Test A 8,3/90, Fives Cincinnati P-55, Fives Cincinnati P-70, GB 111118.1 L-HM, GM LH-02-1-04, ISO 11158 HM, JCMAS HK, MIL-PRF-17672 E, Müller , NATO H-573, Parker Denison HF-0, Parker Denison HF-1, Parker Denison HF-2, SAE MS 1004 HM, SEB 181.222, Sauer-Danfoss 520L0463, U.S. Steel 126, U.S. Steel 127, U.S. Steel 136, Use in accordance with the instruction manual, VDMA 24318, Vickers Pumpentest, ZF TE-ML 07H	
Համապատասխանում է արտադրողի բնութագրերին	DIN 51524-2, ISO 6743-4 HM	
Suitable for	Arburg, Atos, Metso	
Density at 20 °C	857 kg/m <sup>3</sup>	EN ISO 12185
Գույն	light yellow	տեսողական
Մածուցիկություն 100 °C-ում	7.2 mm <sup>2</sup> /s	DIN 51562-1
Մածուցիկություն 40 °C-ում	47 mm <sup>2</sup> /s	DIN 51562-1
Viscosity Index VI	113	DIN ISO 2909
Pourpoint	-27 °C	DIN ISO 3016
Flashpoint	238 °C	DIN EN ISO 2592
Demulsification	40ml/40ml/10min.	DIN 51757
Ծերացման կայունություն, TOST	2000 st	DIN 51587
FZG-Test A/8.3/90 Damage loading step	12 %wt.	DIN 51354/2

## Analogs

### Alpine

0100843, 0100844, 0100845

### General Motors

88861680, 88861694

## Out of production

<i>Product</i>	<i>Vendor</i>	<i>Barcode</i>
5 l	1323105-005-01-000	4014835641754 2200000031556 2200000039200
20 l	1323105-020-01-000	4014835641723
60 l	1323105-060-01-000	4014835641761
208 l	1323105-208-01-000 1323105-208-01-909	4014835641785 4014835798380 2200000046284 2200000043115
208 l	1323105-208-01-000	2200000046284 4014835641785
1 000 l	1323105-001-01-999	
1 000 l	1323105-001-06-000	2200000037008 4014835131699