



# Eni ARNICA EXTRA pluS

Fast biodegradable hydraulic fluid on synthetic ester basis for all highly stressed hydraulic systems.

## Characteristics (typical figures):

Eni ARNICA EXTRA pluS	Unit	46	Test method	
Viscosity	at 40 °C	mm <sup>2</sup> /s	46	DIN EN ISO 3104
	at 100 °C	mm <sup>2</sup> /s	8,1	
Viscosity index			150	DIN ISO 2909
Density at 15°C		g/cm <sup>3</sup>	0,912	DIN ISO 6618
Flash point		°C	270	DIN ISO 2592
Pourpoint		°C	-36	DIN ISO 3016
Description			HVLP/HEES	
ISO-VG			46	

## Properties and Performance:

**Eni ARNICA EXTRA pluS** is an environmental compatible hydraulic fluid based on selected, completely saturated, synthetic di-carbon acid ester and is, according to the method OECD-301-B, 60% disposed in 21 days. In order to guarantee a universal application it is based on the performance level of the mineral HLP-oils and complemented by the favourable viscosity grade and high viscosity index of a synthetic oil. Protection against wear and corrosion, aging stability, compatibility to elastomer, high temperature resistance and air release properties are characteristics where great importance is attached to effectively protect the pumps against cavitations and to ensure a high operating security.

**Eni ARNICA EXTRA pluS** can be mixed with mineral oil and is therefore best suited for the re-oiling of tools under observation of the conversion guidelines of ISO-Norm 15380 for ester oils. Disposing can be carried out as used oil according to Waste Disposal No. 13 01 12 of the collective group 4, however the law prescribes separate storage for this collective group.

## Applications:

**Eni ARNICA EXTRA pluS** is a multi-purpose hydraulic fluid with a large temperature range, high viscosity index and good lubricating properties. The application field includes mobile and working hydraulics, hydraulic operating systems, also stationary systems and hydraulic drives. A noticeable extension of the oil-change-intervals is possible when handled with care. The range of application is substantially bigger than that of vegetable-oil-based lubricants.

**Eni ARNICA EXTRA pluS** is among other officially approved by name by O&K as high performance oil for the unlimited application.

Please observe the manufacturer's specifications when selecting products.



# Eni ARNICA EXTRA plus

## Additional physical-technical data:

Eni ARNICA EXTRA plus			46	Test
Corrosion effect	upon copper	Corr. grade	1-100 A 3	DIN 51 759
	upon steel	Corr. grade	0-A	DIN 51 585
Compatibility with sealing material NBR1, AU 7 days/80°C, FPM 7 days/100°C rel. Volume change		%	>-3/<+10	Following DIN 53 351 T.4
Change of Shore-A-Hardness		SH	>-10/<+10	DIN 53 519 T.2
Decrease of pulling strength		%	>-30	DIN 53 504
Decrease of ultimate elongation		%	>-30	DIN 53 504
Air release property	at 50°C	min.	<3	
FZG-Test A/8/90		power level	12	DIN 51 354 T.2
Vane pump	Ring wear	mg	<120	DIN 51 389 T.2
	Wing wear	mg	<30	
Foaming properties	at 25°C	ml	<20/0	
	at 95°C	ml	<10/0	ASTM D 892
	at 25°C after 95°C	ml	<20/0	
Acceptable tank temperature		°C	≤ 110	
Upper application temperature		°C	≤ 150	

## Specifications:

DIN 51524 T.3 - HLVP  
ISO 15380 - HEES



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