



Eni PRECIS SF HLP *SF = Sustainable Formulation*

Our new **SF** products (Sustainable Formulation) are resource-efficient oils, whose high-quality mineral base oils are produced through a special, nearly waste-free manufacturing process from recycled lubricants.

In this way, the **SF** products make a significant contribution to sustainability and thus to the protection of our environment.

These sustainable **SF** products include our hydraulic oils from the **Eni PRECIS SF HLP** series. This range includes ISO VG classes **32, 46** and **68** and offers up to **1.45 kilograms of CO₂-equivalent savings per kilogram of used Eni PRECIS SF HLP** compared to conventionally produced hydraulic oils.

Characteristics (typical figures):

Eni PRECIS SF HLP	Unit	32	46	68	Test method
Kin. Viscosity 40°C	mm ² /s	31,6	45,2	66,8	ASTM D7279
Kin. Viscosity 100°C	mm ² /s	5,5	6,8	8,9	ASTM D7279
Viscosity index	---	116	118	110	ASTM D2270
Density at 15°C	kg/m ³	854	858	871	DIN EN ISO 12185
Flashpoint o. C.	°C	231	241	241	DIN ISO 2592
Pourpoint	°C	-28	-31	-22	ASTM D7346
Designation		HLP 32	HLP 46	HLP 68	DIN 51 524 T.2
CO ₂ -äq*	kg/kg	0,20	0,13	0,14	DIN ISO 14040/44
CO ₂ -Reduction**	kg/kg CO ₂ -äq	1,45	1,24	1,03	DIN ISO 14040/44

*Actual CO₂ emissions of the sustainable base oil content per kilogram of produced hydraulic oil.

**CO₂ emission savings compared to conventional base oil content from first refining per kilogram of produced hydraulic oil.

Quality features:

Eni PRECIS SF HLP has a low pour point and a high flash point, ensuring safe operation of hydraulic systems at both low and high ambient temperatures.

The zinc-containing mineral oils also provide the optimal protection against corrosion, oil aging, and wear that is characteristic of Eni products, thanks to their additive formulations.

The excellent air and water separation properties, as well as the good anti-foam behavior, ensure optimal system performance.

Compatibility with the sealing materials commonly used in hydraulic systems is guaranteed.

Eni PRECIS SF HLP is additionally characterized by a high viscosity index.

Applications:

Eni PRECIS SF HLP is suitable for use in all mobile and stationary hydraulic systems, even under the most demanding operating conditions and pressures.

It is also suitable for use in pump systems, presses, and metalworking machines. Manufacturer's specifications should be considered when selecting the product.

Specifications:

DIN 51 524 T.2 – HLP, ISO 11158, ASTM D6158, AIST 126 + 127, GM LS 2, SEB 181 222