



# Eni PRECIS SF D 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 D** series. This range includes ISO VG classes **32**, **46** and **68** and offers up to **1.46 kilograms of CO<sub>2</sub>-equivalent savings per kilogram of used Eni PRECIS SF HLP** compared to conventionally produced hydraulic oils.

### Characteristics (typical figures):

Eni PRECIS SF D	Unit	32	46	68	Test method
Kin. Viscosity 40°C	mm <sup>2</sup> /s	31,2	44,8	66,7	ASTM D7279
Kin. Viscosity 100°C	mm <sup>2</sup> /s	5,7	7,2	9,2	ASTM D7279
Viscosity index	---	120	120	115	ASTM D2270
Density at 15°C	kg/m <sup>3</sup>	849	856	865	DIN EN ISO 12185
Flashpoint o. C.	°C	230	240	240	DIN ISO 2592
Pourpoint	°C	-27	-27	-21	ASTM D7346
Designation		HLP-D 32	HLP-D 46	HLP-D 68	DIN 51 524 T.2
CO <sub>2</sub> -äq*	kg/kg	0,20	0,18	0,14	DIN ISO 14040/44
CO <sub>2</sub> -Reduction**	kg/kg CO <sub>2</sub> -äq	1,46	1,28	1,04	DIN ISO 14040/44

\*Actual CO<sub>2</sub> emissions of the sustainable base oil content per kilogram of produced hydraulic oil.

\*\*CO<sub>2</sub> emission savings compared to conventional base oil content from first refining per kilogram of produced hydraulic oil.

### Quality features:

**Eni PRECIS SF D** is equipped with special active ingredients, which give it significantly better sliding properties than standard lubricating oils, as it can absorb a certain amount of water without causing operational problems in the hydraulic system.

The detergent properties ensure greater wetting and cleaning action.

The zinc-containing mineral oils offer an optimally adjusted air separation capability and, through their additive formulations, provide optimal protection against corrosion, oil aging, and wear. They do not have demulsifying properties.

**Eni PRECIS SF D** is also characterized by a high viscosity index.

### Applications:

**Eni PRECIS SF D** is suitable for use in all mobile and stationary hydraulic systems, even under the most demanding operating conditions and pressures, and where system components are at risk from moisture deposits or blockages.

It is suitable for the lubrication of bearings, gears, excavators, wheel loaders, bulldozers, as well as hydraulic controls for precision hydraulics and machine tools.

Manufacturer's specifications should be considered when selecting the product.

### Specifications:

DIN 51 524 T.2 (HLP-D), ISO 11158 HM