

Reliable operation in sensitive areas

Your practical benefits



Highest water resistance

ADDINOL Ecosynth HVLPD 10 and 46 S are based on synthetic polyalphaolefins and are ideal for applications where the exposure to water cannot be excluded. They do not react hydrolytically and achieve highest technical stability. Especially in comparison to ester-based hydraulic fluids, they have a clear advantage here.



Easy changeover

Due to the base oils used, ADDINOL Ecosynth HVLPD S is miscible with mineral products. Plants can be changed over from a mineral oil to ADDINOL Ecosynth HVLPD S without great effort and even unintentional mixtures are unproblematic.



Best compatibility

ADDINOL Ecosynth HVLPD S shows highest compatibility with sealing materials and paints. It does not cause any damage to hoses or components which could lead to leakages or even accidents.



Wide temperature range

ADDINOL Ecosynth HVLPD S can be used at temperatures between -50 and +90 °C (HVLPD 10 S) or -25 to +110 °C (HVLPD 46 S) respectively and shows best cold-start behaviour. All components are reliably lubricated immediately even at low outside temperatures, external heating is not necessary in many cases and wear is effectively prevented.



Specifications

DIN 51524/3 (HVLP)

CEC-L-103-12: >60%

Use in sensitive areas such as agriculture, construction, forestry as well as municipal and water management.

Added value in application



Long service life

Thanks to their high thermal-oxidative stability ADDINOL Ecosynth HVLPD 10 and 46 S achieve long service lives even under high loads and difficult conditions.



High stability

ADDINOL Ecosynth HVLPD 10 and 46 S provide high technical stability in operation and ensure the full performance of the plants at maximum protection of the components.

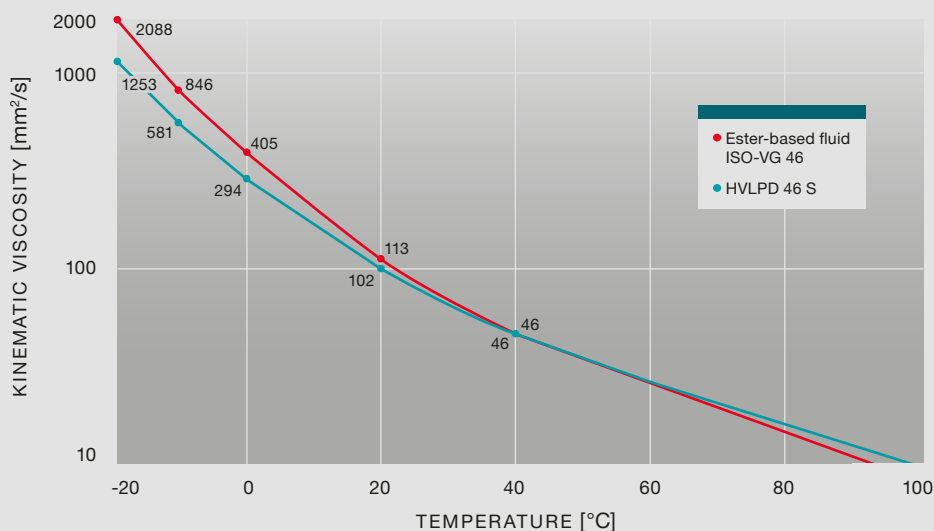


Wide range of applications

ADDINOL Ecosynth HVLPD S is suitable for stationary and mobile plants with highest demands on water as well as temperature stability at high loads and permits economical grade reduction.

Tailor-made For all temperatures and conditions

KINEMATIC VISCOSITY OF ADDINOL ECOSYNTH HVLPD 46 S
DEPENDING ON TEMPERATURE COMPARED TO AN ESTER-BASED
HYDRAULIC FLUID



TEMPERATURE	-20°C	-10°C	0°C	20°C	40°C	100°C
HVLPD 46 S	1253	581	294	102	46	9,6
ESTER-BASED FLUID ISO-VG 46	2088	846	405	113	46	8,6

Best stability at low temperatures

In direct comparison with ester-based hydraulic fluids of the same ISO-VG class the advantages of ADDINOL Ecosynth HVLPD 46 S at low temperatures become obvious. Here, ADDINOL Ecosynth HVLPD 46 S achieves a stable lubricating film right from the start, all lubrication points are reliably supplied and wear is effectively minimised. Thanks to the excellent viscosity index, optimum lubrication is ensured over a wide temperature range.

Service tip

Optimum protection and long service lives thanks to careful monitoring and maintenance

According to the experience of maintenance companies, 50 to 70% of all failures are due to an »insufficient condition of the hydraulic fluid«. 80% of hydraulic system failures are caused

by oil contamination. Careful oil maintenance is therefore mandatory!

Correct storage

- Clean, dry, protected from sun, dirt and rainwater
- Store drums horizontally
- Avoid temperature fluctuations

Careful preparation

- Select oil according to requirements
- Observe filling quantities
- Flush the system before refilling

Safe use

- Regular control and monitoring of the fluid condition, if necessary, by means of analytics
- Lubricant maintenance
- Filtration and filter change
- Check fill level regularly
- Change oil regularly

WE RECOMMEND