

PLANTOHYD SE

Biodegradable hydraulic fluids based on synthetic esters.

Description

PLANTOHYD SE series are biodegradable synthetic ester based hydraulic fluids, delivering very good performance.

Application

PLANTOHYD SE series is recommended for hydraulic systems that work all year round under varying working conditions, with oil temperatures ranging from -25°C up to +95°C. PLANTOHYD SE series is suitable in all types of mobile hydraulics, where products are required that are easily biodegradable and at the same time deliver a very good performance.

PLANTOHYD SE series is recommended for hydraulic systems working within a wide temperature range. The hydraulic fluids are particularly suitable for the forestry industry, which requires products that are biodegradable and deliver high performance.

Specifications

- ISO 15380 HEES
- Vickers V-104-C
- Can be used where DIN 51524-3:HVLP is stated

PLANTOHYD SE 22

- SS 155434 BV 22 environmentally acceptable

PLANTOHYD SE 32

- SS 155434 BBV 32 environmentally acceptable

PLANTOHYD SE 46

- SS 155434 BBV 46 environmentally acceptable
- Approved by Sauer Danfoss
- Fulfills Bosch Rexroth RE 90221

PLANTOHYD SE 68

- SS 155434 CBV 68 environmentally acceptable
- Approved by Sauer Danfoss

Advantages

- Based on synthetic esters and zinc free additives to achieve best possible environmental properties in combination with high technical performance.
- Fulfills and exceeds the requirements set up for environmentally acceptable hydraulic fluids and consists of a very high proportion of renewable raw materials.
- Easily biodegradable and low toxicity.
- Excellent low and high temperature properties and shear stable.
- High oxidation and hydrolytic stability, which means that change intervals can be extended.
- Rapid air separation, which together with their filterability contributes to reliable operation.
- Minimized risk for cavitation and foaming.
- Long lifetime.
- Suitable for forestry and processing machinery.

PLANTOHYD SE

Handling and storage

Avoid skin contact. In the event of contact with skin, wash with soap and water. Dispose of used oil at a recycling station or equivalent. Safety data sheets are available on www.fuchs.com/se or supplied on request.

Typical data

Product name		SE 22	SE 32	SE 46	SE 68	
Characteristics	Method					Unit
Density at 15 °C	DIN 51757	882	895	921	922	g/ml
Kinematic Viscosity at 40°C	DIN 51562-1	22	30.1	46	66	mm ² /s
Kinematic Viscosity at 100°C	DIN 51562-1	5.0	6.56	9.25	12.43	mm ² /s
Viscosity-Index	DIN ISO 2909	171	182	190	181	-
Flash Point, CoC	DIN ISO 2592	178	200	290	280	°C
Pour point	DIN ISO 3016	-47	-42	-42	-39	°C
FZG A/8.3/90	CEC-L-07-A-95	-	11	10	12	FLS

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We therefore recommend that you consult a FUCHS LUBRICANTS SWEDEN AB application engineer to discuss application conditions and the performance criteria of the products before the product is used. It is the responsibility of the user to test the functional suitability of the product and to use it with the corresponding care.

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