



HONE/09-1

## Hydraulic Oil

# BioSafe HO 32 NE

**BioSafe HO 32 NE** is an environmentally acceptable hydraulic oil based on highly refined vegetable oil. The product is recommended for mobile as well as stationary hydraulic systems.

**BioSafe HO 32 NE** is non-toxic, biodegradable and renewable. It has a very high viscosity index, high shear stability, filterability and good lubricating properties.

**BioSafe HO 32 NE** is recommended for systems working in environmentally sensitive areas and in systems working at temperatures up to 70°C. The product is suitable for year-around use.

Specifications:  
Swedish Standard 15 54 34 CV 32 EAL  
SP-green list and ISO 15380 HETG.

### Physical and Chemical Data (typical)

Analysis	Method	Unit	HO 32 NE
Viscosity at 40°C	ISO 3104	mm <sup>2</sup> /s	32
Viscosity at 100°C		mm <sup>2</sup> /s	8
Viscosity at -20°C		mm <sup>2</sup> /s	900
Viscosity at -30°C		mm <sup>2</sup> /s	3000
Viscosity index	ASTM D 2270		220
Pour Point	ISO 3016, ASTM D 97	°C	-39
Density at 20°C	ISO 3675	kg/m <sup>3</sup>	917
Flash Point	ASTM D 93	°C	>200

### Health and Safety Data

Analysis	Method	Unit	HO 32 NE
Biodegradability	OECD 301 F	(%)	Readily biodegradable >80
Toxicity	OECD 201-203		Non toxic
Bioaccumulation	OECD 305 D		No accumulation
Skin and eye irritation	OECD 401-402, 404-405		Not irritant
Biological renewability		%	>90

Product code		112120
Packaging	Bulk (01)	X
	1000-l IBC (02)	X
	200-l drum (03)	X
	20-l pail (05)	X

**Storage:** In sealed container, protected from rain.

A company in the AAK Group