



Hydra[®]

Premium performance biodegradable hydraulic fluid

Product description

Hydra is a premium performance biodegradable hydraulic fluid specifically designed for use in applications where environmental contamination may occur.

Hydra is a zinc-free hydraulic fluid formulation, containing a mixture of unsaturated synthetic esters.

Customer benefits

- Biodegradable formulation helps reduce environmental contamination
- Suited for a wide range of stationary and mobile hydraulic systems
- Wide service temperature window from -30°C up to +95°C
- Environmentally compatible with biodegradability at OECD 301F: >70%
- Meets the requirements of Swedish Standard SS 15 54 34
- WGK 1 rating according to German WGK Classification

Product highlights

- **Helps reduce environmental contamination**
- **Offers flexibility in both stationary and mobile systems**
- **Wide temperature range -30°C up to +95°C**
- **Biodegradability at OECD 301F: >70%**
- **Meets Swedish Standard SS 15 54 34**
- **WGK 1 rating**

Selected specification standards include:

DIN ISO 15 380 HEES	Swedish-Standard
VDMA 24568, HEES	

Applications

- Hydra 32 and 46 are suitable for a wide range of stationary and mobile hydraulic systems as recommended by ISO 15380, HEES
- Hydra 32 and 46 should be used where there is a danger of soil or water pollution
- Typical applications are: mobile hydraulics in drainage areas and road construction, forestry and timber industries, ski racing vehicles, track maintenance, municipal vehicles and facilities, auto hoists, hydraulic engineering, forklifts, horticulture and landscaping, sewage plants, fresh water recovery, floating dredgers, sluices, water maintenance boats, tunnelling machines, off-shore equipment, concrete pumps and track laying machines

Approvals, performance and recommendations

Approvals

- Swedish-Standard-15 54 34 (www.sp.se/km/hydraul)

Performance

- DIN ISO 15 380 HEES
- VDMA 24568, HEES
- SS 15 54 34

Typical test data

Test	Test Methods	Results	
Viscosity Grade		32	46
Shelf Life: 24 months from date of filling indicated on the product label			
Appearance	Visual	Clear Liquid	Clear Liquid
Kinematic viscosity at 40°C, mm ² /s	ISO 3104	32.5	45.2
Kinematic viscosity at 100°C, mm ² /s	ISO 3104	7.4	9.29
Visc. Index	ISO 2909	194	194
Colour	ISO 2049	1	1.5
Flash Point, °C	ISO 2592	215	252
Pour point, °C	ISO 3016	-50	-45
Fire Point COC, °C	ISO 2592	265	284
TAN, mg KOH/g	ASTM D0664	1.0	1.0
Density, 15 °C, Kg/l	ASTM D1298	0.915	0.922
Air Release at 50°C, min	ISO DIS 9120	4	5
Foam Seq. ml	ISO 6247	0/0	0/0
Foam Seq. II, ml	ISO 6247	0/0	0/0
Foam Seq. III, ml	ISO 6247	0/0	0/0
Cu Corrosion, 3h, 100 °C	ASTM D0130	1A	1A

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

Disclaimer Chevron accepts no liability for any loss or damage suffered as a result of using this product for any application other than applications specifically stated in any Product Data Sheet's.

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