

DST Hydraulic S

High quality synthetic hydraulic oil

Typical characteristics						
Name	Methods	Unit	Hydraulic S22	Hydraulic S32	Hydraulic S46	Hydraulic S68
ISO viscosity grade	–	–	22	32	46	68
Density at 15° C	ASTM D4052	kg/m ³	840	844	848	857
Kinematic viscosity at 40° C	ASTM D445	mm ² /s	22.77	31.7	44.9	66.04
Kinematic viscosity at 100° C	ASTM D445	mm ² /s	4.72	5.89	7.44	9.52
Viscosity index	ASTM D2270	–	129	132	130	124
Pour point	ASTM D97	°C	–45	–42	–39	–33
Flash point – open cup method	ASTM D92	°C		236	255	
Foam sequence – tendency / stability	ASTM D892	ml/ml	10/0 30/0 0/0	0/0 10/0 0/0	0/0 0/0 10/0	10/0 40/0 0/0
Water separation at 54° C	ASTM D1401	min	10	10	10	5

DST Hydraulic S is our synthetic, zinc-free hydraulic oil range, developed to provide best possible performance with Double Separation Technology (DST). DST Hydraulic S provides top performance, extends oil drain intervals and minimizes environmental impact.

The products are based on synthetic base oils enhanced with carefully selected additives to obtain the following properties:

- Fully adapted to the DST process
- Very good lubrication with minimal wear
- Excellent corrosion protection and oxidation stability
- Very good demulsification properties
- Fast air release and low foaming properties
- Good rinsing properties
- High viscosity index with excellent high- and low-temperature properties

Application

DST Hydraulic S can be used for heavy-duty hydraulic equipment, as well as for light-duty gearboxes and bearings. The product can also be used for lubrication systems, general lubrication, and vacuum pumps. In comparison with mineral oils, synthetic oils substantially extend oil drain intervals.

When combined with the DST treatment, the oil can be used repeatedly with minimal environmental impact and heavily reduced CO₂ emissions.

Performance level

AFNOR NF E 48-603 HM
 AIST (US Steel) 126/127/136
 Cincinnati Machine P-68 (ISO VG 32), P-70 (ISO VG 46)
 Denison HF-0/HF-1/HF-2
 DIN 51524-2 HLP
 Eaton (Vickers) M-2950-S
 SEB 181 222
 SS 155434

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