



PRODUCT DATA SHEET

HYDRAULIC OILS 10-150

PRODUCT DESCRIPTION

Hydraulic Oils are blended from high quality mineral oils possessing a high viscosity index and low pour point. These oils give a long trouble free service life and will be chemically stable under severe operating conditions. They give excellent protection against corrosion; resist emulsification, and any formation of unwanted stable foam.

The continuing trend towards higher hydraulic system pressure permits higher performance and reductions in pump and equipment sizes. At the same time, the hard working hydraulic oil is called upon to lubricate, seal and cool the working components under increasing temperature, turbulence and pressure. Any entrained air must be readily released as pressures often exceed 7 mpa (1000 psi) and heavy pump water can only be avoided by using oils containing anti-wear additives.

Hydraulic Oils are formulated to meet all these requirements, using paraffinic, high viscosity index mineral oil, augmented with performance additives including a zinc anti-wear treatment.

BENEFITS

The performance benefits of **Hydraulic Oils** include:

- Superior hydrolytic stability
- Outstanding thermal and oxidation stability
- Good demulsibility and anti-foam properties
- Excellent EP performance
- Excellent rust protection
- Lower tendency to block filters
- Reduced pump wear

SPECIFICATIONS

Hydraulic Oils meet or exceed the requirements of many international tests and specifications for industrial and mobile hydraulic systems including:

- Vickers I-286-S, M-2950-S
- Hagglunds-Denison HF-0, HF-1, HF-2
- ASTM D 6158
- DIN 51524, Part 2 (HLP)
- US Steel 126, 136, 127
- Racine, variable volume vane pumps
- Commercial Hydraulics
- Fives Cincinnati P-68, P-69, P-70
- AFNOR NFE 48-603 HM (now ISO 11158))
- AFNOR NFE 48-691 (wet)
- SS155434
- ISO 6743/4 (HM)
- SEB 181 222
- VDMA 24318
- ISO 11158 HM
- Eaton Brochure 03-401-2010

Hi-Tec suggests that the equipment manufacturers' recommendations for viscosity grade, performance requirements and general operating conditions should be checked prior to use.





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TYPICAL PROPERTIES

Property		ASTM Method	Typical Results							
ISO Viscosity		-	10	15	22	32	46	68	100	150
Item Code (HI5)		-	2595	2796	2710	2712	2714	2716	2718	2720
Appearance		Visual	Clear and Bright							
Density @ 15°C	kg / L	D-1298	0.840	0.854	0.860	0.865	0.882	0.884	0.890	0.910
Viscosity @ 40°C	cSt	D-445	10	15	22	32	46	68	100	150
Viscosity @ 100°C	cSt	D-445	2.7	3.6	4.4	5.4	6.8	8.8	11.3	14.9
Viscosity Index		D-2270	111	123	105	102	102	102	99	99
Flash Point	°C	D-92	176	184	204	> 210				
Pour Point	°C	D-97	-52	-33	-33	-30	-27	-30	-30	-27

Available in: Bulk, 1000 Litres, 200 Litres and 20 Litres

"Hi-Tec Oil Traders Pty Ltd (Hi-Tec Oils) has endeavoured to ensure that all information, representations and specifications contained in this product data sheet are accurate at the time of publication. This general information should be used in conjunction with appropriate inquiries by users of the product including consultation with the vehicle or equipment manufacturers published information.

It is the responsibility of users of the product to use the product safely. Users should consult the safety data sheets for each product at www.hi-tecoils.com.au. Hi-Tec Oils takes no responsibility for injury or damage if the product is used in an inappropriate or unsafe manner.

Our product warranty and product quality statement can be viewed at www.hi-tecoils.com.au"

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