

HYDRAULIC OILS



PRODUCT DESCRIPTION & BENEFITS

Hydraulic oils are full anti-wear hydraulic fluids designed and developed to be used in industrial power transmission and control systems.

Hydraulic oils are manufactured from heat stable high viscosity index, solvent refined base oils into which are incorporated additives for anti-wear performance, oxidation resistance, anti-foaming agents and corrosion protection.

They also provide excellent thermal stability, good water separation, Resistance to sludge formation and are non-corrosive to steel and copper alloys.

APPLICATIONS

For most hydraulic power transmission systems where reciprocating or rotary fluid pumps are used, including reciprocating and axial piston units, rotary gear and vane pumps. The main application for hydraulic fluids will be found in static industrial hydraulic systems and mobile earth moving plant.

PRODUCT SPECIFICATION

Hydraulic oils are formulated to exceed the following specifications:

Denison HF-0 HF-1 HF-2	Cincinatti Milacron P-68, P-69, P-70
U.S. Steel 127, 136	Vickers M-2950-S
Vickers Vane Pump (IP281)	ASTM D665 A & B
DIN 51524 Part II	Copper Corrosion (ASTM D130)
FZG (CEC LO7-A-85)	Demulsibility (ASTM D1401) & (IP19)
TOST (ASTM D943)	Air Release (IP 313)

TECHNICAL DATA SHEET

TYPICAL PROPERTIES

Grade	5	10	22	32	46	68	100
ISO Viscosity Grade	5	10	22	32	46	68	100
Kinematic Visc @ 40°C	5.0	10.0	22.0	32.0	46.0	68.0	100.0
Kinematic Visc @ 100°C	1.4	2.7	4.4	5.5	6.8	8.8	11.3
Viscosity Index(VI)	98	102	105	105	102	100	100
Pour Point oC	-20	-20	-20	-15	-15	-15	-15
Flash Point C.O.C oC	190	200	205	210	225	230	245
Specific Gravity @20°C		0.87	0.87	0.87	0.87	0.88	0.88

PACK SIZES

Hydraulic Oils are packed in the following sizes:-

1 Litre, 5 Litre, 20 Litre, 25 Litre, 205 Litre, 208 Litre, 1000 Litre IBC, Bulk pump off.

For Health and safety information please refer to the relevant health and safety data sheet.

The content of this data sheet is given in good faith but without warranty.