



Hydraulic Oil

Description

This is a range of 9 virgin mineral base oils conforming to the international classification ISO type HM 0 (Oils inhibited against rust and oxidation and containing anti-wear additives) and blended to fall within the ISO viscosity grades. Petromark Hydraulic Oils have good low temperature characteristics and offer a wide choice of viscosities, their solvent refined base oils are fortified by full additive treatment, which minimises oxidation, foaming, and ensures long machinery life by reducing wear and preventing corrosion.

Applications

These oils are formulated for use in hydraulic equipment but their properties are such that they are also suitable for other machinery in which lubricants of high oxidation stability and excellent anti-wear performance are required. The range of viscosities in this series of oils provides a grade for virtually every hydraulic function in which a mineral oil is suitable. The quality of the base oils and additives allows the Petromark Hydraulic Oil range to be applied in lightly loaded gears, in some variable speed units, in bearings and in machine tools.

Performance

Petromark Hydraulic oil meets the specification requirements of the major manufacturers of hydraulic pumps and motors. These products satisfy the performance requirements of:

- Denison HF-0, HF-1, HF-2
- Eaton Vickers I-286-S,
- Eaton Vickers M-2950-2950-S
- Cincinnati P-68, 69, 70
- ISO 11158
- US Steel 127 and 136
- DIN 51524, Part 2
- GM LH-03-1, LH-04-1, LH-06-1
- Sauer Danfoss
- Bosch Rexroth
- Commercial Hydraulics
- AFNOR NFE 48-690/1 (dry)&(wet)
- JCMAS

Advantages

- Good resistance to foaming.
- Prevents formation of gummy deposits.
- Ensures long machinery life by reducing wear and preventing corrosion.
- Good Thermal stability
- Good Filterability
- Gives extended trouble free service

Typical Values	Visc @ 40°C (cSt)	Visc @ 100°C (cSt)	VI	SG @ 20°C (kg/l)
Hydraulic Oil 5	5	-	-	0.865
Hydraulic Oil 10	10	2.5	61	0.876
Hydraulic Oil 15	15	3.3	80	0.870
Hydraulic Oil 22	22	4.3	101	0.865
Hydraulic Oil 32	32	5.5	108	0.875
Hydraulic Oil 46	46	6.9	105	0.882
Hydraulic Oil 68	68	8.8	102	0.885
Hydraulic Oil 100	100	11.1	96	0.888
Hydraulic Oil 150	150	14.5	95	0.890