



Ultramax AF Range

Mineral oil based zinc free hydraulic oils

Product code: Refer to table on page 3

Product Description:

A range of premium quality, zinc and ash free hydraulic fluids. The economical operation of a hydraulic system is dependent on the correct hydraulic oil being used. Many modern machines use hydraulic oils for the transmission of power from one component to another.

The Ultramax AF range of hydraulic fluids are manufactured from highly refined base oils, which have good oxidation resistance lowering the possibility of gums and lacquers. They are blended using the latest in additive technology. The ash free additive pack used reduces the possibility of sludge and ensures rapid water separation.

Benefits:

- Compatible with all component metals, including silver
- Incorporates the latest corrosion inhibitors for protection against all forms of corrosion
- Highly shear stable
- Good anti foaming and air release properties
- Excellent demulsification characteristics for rapid water separation
- Improved filterability
- Good anti-wear performance for reduced wear in highly stressed vane pumps, highly loaded areas such as swash plates
- High oxidation and thermal stability

Applications:

The Ultramax AF range of hydraulic oils is suitable for a wide variety of applications. They are recommended for rotary, vane, axial piston, gear pumps and bearings in many types of circulating systems. They are ideal for machine tool applications where contact with the metalworking fluid can occur.

Product Specification:

DIN	51524 Part 2
ASTM	D6158
Eaton	35VQ25
Bosch Rexroth	RE 90220
Sperry Vickers	I-286-S
Cincinnati Milacron	P-68 (ISO 32), P-70 (ISO 46), & P-69 (ISO 68)

ISO	11158 (HM)
SAE	MS 1004
AFNOR	NFE 48603 (HM)
GM	LS-2 (ISO 22 - 68)
Denison	HF-0, HF-1 & HF-2



TECHNICAL DATA SHEET

Typical Test Data:

ISO Grade:	5	10	15	22	32	46	68	100	150
Product Code:	H020	H021	H131	H070	H022	H024	H025	H026	H073
Specific Gravity @ 15.6°C	0.827	0.849	0.861	0.868	0.874	0.879	0.882	0.888	0.89
Kinematic Viscosity @ 40°C (cSt)	5.09	10.17	15.09	22.1	31.97	45.98	68.1	98.72	148.03
Kinematic Viscosity @ 100°C (cSt)	-	-	3.41	4.29	5.38	6.78	8.82	11.35	14.81
Viscosity Index	-	-	96	99	101	101	102	101	99
Flash Point (°C)	149	165	185	197	214	218	225	231	239

Health and Safety:

Please refer to the safety data sheet, a copy of which is freely available to all our customers.