



Ultramax AF MG 200 RANGE

Group II based, Zinc-free, high viscosity index, anti-wear, hydraulic oils

Product code: Refer to table

Product Description:

Manufactured from very pure, low sulphur Group II base oils which possess outstanding oxidation resistance and thermal stability. Combined with shear-stable VI improving polymers, Ultramax AF MG 200 range are energy-efficient hydraulic fluids fortified with carefully selected additives to further improve performance characteristics including anti-corrosion to protect the system should water be present, anti-wear to reduce wear in pumps used in hydraulic systems, antioxidant and antifoam. All components are Zinc and ash free to maximise cleanliness and to provide the best possible filterability.

Benefits:

- Long oil life
- Increased energy efficiency
- Good demulsification characteristics
- Excellent anti-wear performance
- High oxidation resistance and thermal stability
- Excellent filterability

Applications:

Ultramax AF MG 200 range are suitable for most industrial and mobile equipment applications operating under extreme conditions.

Specifically formulated to reduce internal losses – hydraulic leakage – Ultramax AF MG 200 range can show energy savings compared with that of typical hydraulic Group I formulations. The robust product design allows operation across a wide temperature range and suited to many applications from agricultural to off highway and industrial process such as plastic injection moulding.

Product Specification:

DIN	51524 Part 3, (HVLV)
ISO	11158 (HV)
Denison	HF-0, HF-1, HF-2
Sperry Vickers	M-2950-S, I-286-S
Afnor	NF E 48-603



TECHNICAL DATA SHEET

Typical Test Data:

Product Code			H223	H222	H224
ULTRAMAX AF MG			232	246	268
Density at 15°C	ASTM D4502	g/cm ³	0.853	0.855	0.860
Viscosity @ 100°C	ASTM D445	cSt	6.53	8.57	11.38
Viscosity @ 40°C	ASTM D445	cSt	32.52	47.45	67.56
Brookfield Viscosity @ 0°C	ASTM D2983	cPs	217	337	620
Brookfield Viscosity @ -26°C	ASTM D2983	cPs	2,512	4,025	9,682
Viscosity Index	ASTM D2270	-	160	160	163
Shear stability - loss @ 100°C 30 Cycles 90 Cycles 250 Cycles	ASTM D6278	%	3.3 7.5 9.5	3.6 7.7 9.9	4.0 8.0 10.2
Flash Point - COC	ASTM D92	°C	240	232	244
Seal Compatibility – 168hrs @ 100°C % Volume Change Change Shore A Hardness	ISO 6072 DIN ISO 1817 DIN ISO 1817	%	3.96 -2		
Pour Point	ASTM D97	°C	-39	-39	-36
Acid Number	ASTM D664	mg KOH / g	0.1	0.1	0.1
Air Release at 50°C	ASTM D3427	mins	<5	<5	<5
Water Demulsibility @ 54°C	ASTM D1401	mins	15	15	15
Rust Test Distilled Water Synthetic Sea Water	ASTM D665	-	Pass Pass	Pass Pass	Pass Pass
RPVOT	ASTM D2272	Mins	476		
TOST life	ASTM D943	hours	>5,000		
Foaming Tendency & Stability Seq I Seq II Seq II	ASTM D982	mls	25-0 0-0 25-0	25-0 0-0 25-0	25-0 0-0 25-0