Saheli
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Product Data Sheet

Concord CME

Description and Applications

Saheli Concord CME (Construction and Mining Equipment) series are supreme quality anti-wear hydraulic oils exclusively developed for construction and mining equipment in off highway applications requiring very high viscosity index oils to minimize the changes in viscosity even under wide temperature variation. These oils are formulated with severely hydro-processed base oils, highly shear stable polymer and high performance additive system to meet the stringent requirements of modern hydraulic systems using high pressure high output pumps.

Features and Benefits

- Exceptional anti-wear property results in longer pump life and reduced maintenance costs
- Excellent shear stability ensures viscosity control over longer period of operation as demonstrated in the stringent Poclain Shear Stability Test – PH 904089920Q (VG 68).
- Outstanding thermo-oxidative stability reduces deposit formation, improves pump and valve performance and allows extension of oil and filter change intervals.
- Very high viscosity index minimizes change in viscosity of oil even under wide temperature variation thereby ensuring smooth functioning of hydraulic system.
- Excellent demulsibility helps in faster separation of water from oil and resists formation of emulsions.
- Compatible with multi-metals and sealing materials commonly used in hydraulic systems.
- Superior cleanliness ensures smooth and trouble-free operation of precision control hydraulic systems.

Applications

- Hydraulic systems of off-highway equipment like excavators, cranes and hydrostatic drives used in applications like construction, mining, agriculture, forestry, etc.
- Hydraulic and power transmission systems subjected to a wide range of ambient and operating temperatures requiring long life super clean oils.

Specifications

- DIN 51524 Part 3 HVLP, AFNOR NFE 48-603 (HV)
- ISO 11158 HV AFNOR NFE 48-603 (HV), ISO 11158 HM
- Denison HF-0, HF-1, HF-2, Proclain, Hitachi
- Eaton (Vickers) M-2950-S, M-2952-S, 286-S
- Cincinnati Lamb P69, P-70

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Test Parameters	Test Method	Typical Results		
ISO VG		46	68	100
Density @ 15°C gm/cm3	ASTM D1298	0.874	0.881	0.886
Viscosity Index	ASTM D2270	144	147	134
Viscosity @ 40°C (cSt)	ASTM D 445	46.2	68.6	100.3
Pour Point °C	ASTM D 97	-39	-39	-39
Flash Point (COC) °C	ASTM D 92	232	238	242
Turbine Oil stability Test, hrs	ASTM D 943	5000+		4000+
Cleanliness level at filling stage	NAS 1638	8	8	8
Rust Test	ASTM D 665A/B	Pass	Pass	Pass
Foam aft. 10min of setting-all seq.	ASTM D 892	Nil	Nil	Nil
FZG, fail load stage, minimum	DIN 51354 Part II	12	12	12

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