



SINOPEC L-HM Anti-wear Hydraulic Oil

SINOPEC L-HM Anti-wear Hydraulic Oils are blended from highly refined high quality base stocks with premium additive packages by international advanced production process. They have excellent performances to meet many international OEM standards. They are suitable for high-pressure hydraulic systems in Industrial, shipping and mobile equipment. The products are classified as the grades 32, 46, 68 and 100, etc. in accordance with the kinematic viscosity of 40°C.

Properties

- ⊙ Outstanding anti-wear performance to prolong serve life of pumps and hydraulic systems effectively;
- ⊙ Excellent filterability to farthest reduce filter clogging;
- ⊙ Excellent oxidation stability to extend serve life of oils;
- ⊙ Good rubber compatibility, giving effective protection for rubber seal materials to avoid leakage;
- ⊙ Good water separation performance to separate water from oils quickly and avoid oil emulsification;
- ⊙ Good air release and foam resistance performance;
- ⊙ Good temperature-viscosity performance and shear stability, providing effective lubrication under high temperature condition.

Specifications

- ⊙ GB 11118.1 (L-HM);
- ⊙ ISO 11158:HM;
- ⊙ DIN 51524 Part II;
- ⊙ Cincinnati P68、P70、P69;
- ⊙ Eaton-Vickers;
- ⊙ Parker-Denison HF-0.

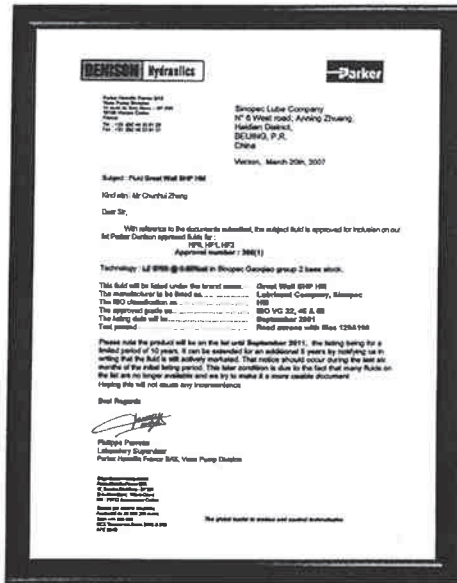
Typical Data

Items	Typical Value				Test Methods	Reference
	32	46	68	100		
ISO Viscosity Grade	32	46	68	100		
Kinematic Viscosity@40°C, mm ² /s	33.20	45.88	67.40	102.2	GB/T 265	ASTM D445
Viscosity Index	98	97	98	98	GB/T 1995	ASTM D2270
Flash Point (C.O.C), °C	230	240	245	246	GB/T 3536	ASTM D92
Pour Point, °C	-15	-15	-13	-15	GB/T 3535	ASTM D97

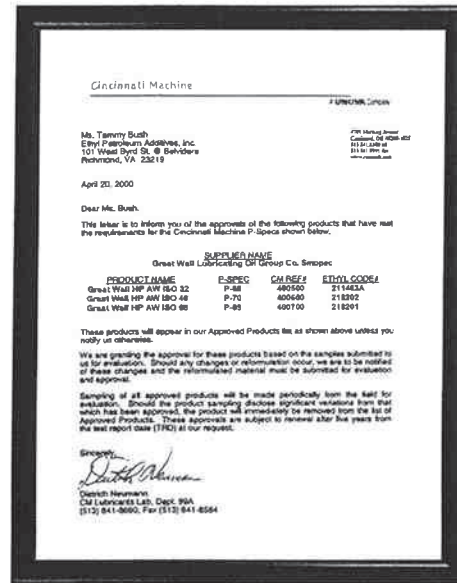
Applications

- ⊙ Suitable for high-pressure hydraulic systems in Industrial, shipping and mobile equipment etc;
- ⊙ Suitable for high-pressure hydraulic systems in engineering machinery, construction machinery, mining machinery and metallurgical equipment etc.

Technical Approvals



Denison HF-0 Certificate



Cincinnati P68, P70, P69 Certificate

Equivalent

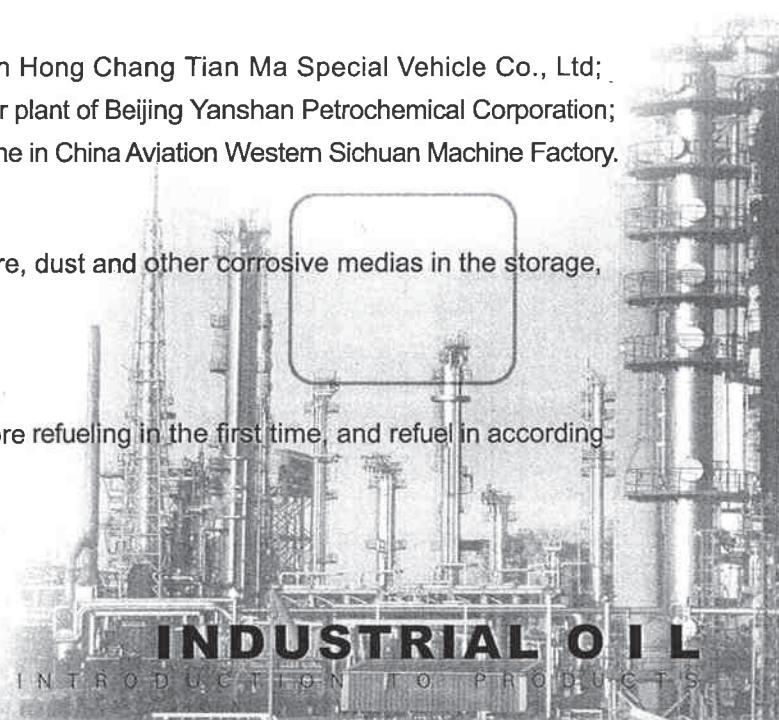
- ⊙ Equivalent to the major performance of the foreign oils to meet the following performance specification: Denison HF-0&ISO 11158: HM etc.

Application Cases

- ⊙ Application on Series of modified cars in Hong Chang Tian Ma Special Vehicle Co., Ltd;
- ⊙ Application on the centrifuge in polyester plant of Beijing Yanshan Petrochemical Corporation;
- ⊙ Application on cold isostatic pressing machine in China Aviation Western Sichuan Machine Factory.

Attentions

- ⊙ Pay attention to avoid mixing with moisture, dust and other corrosive medias in the storage, transportation and use;
- ⊙ Do not mix with other oils for use;
- ⊙ Do not contact with eyes and skin directly;
- ⊙ Clean oil tanks and pipes thoroughly before refueling in the first time, and refuel in according with the regulations;
- ⊙ Stored under the clean, cool, dry condition.



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