



Hydro-Tech HVI TX Series

New Generation High Viscosity Indexed Zinc-Free Hydraulic Oil

Description

Hydro-Tech HVI TX is hydraulic oil developed to be used in hybrid pumps, with high filterability and yellow metal protection features, compatible with zinc, low ash technology and with improved heat-viscosity coefficient.

Application

In the fixed and movable hydraulic systems where the moderate and heavy working conditions are in question and where the characteristics of intense abrasion, corrosion, oxidation protection, water separation and working compatibly with yellow metals gain importance. In the hybrid and all other pump types. In the systems where sensitive valves working with high pressure are available. In the hydraulic systems requiring long life and high performance in watery ambiances.

Benefits

- It extends the pump life maximally thanks to its compatibility with yellow metals and high abrasion prevention feature.
- In the event of water mixing into the system, it protects the performance of the system and the oil.
- It extends the life of the system, oil and filter by means of increasing filtration output thanks to its high filterability feature.
- Thanks to the friction regulators in its structure, it particularly reduces the friction taking place between the piston rod and seal rings, decreases the noise and provides energy saving.
- Protects the servo valves against abrasion and adhesion.

Performance

Denison Hydraulics HF-0, T6H20C including dry and wet phase performance test,
Eaton M-2950-S (Mobile equipments), Eaton I-286-s3 (Industrial equipments),
Cincinnati Machine P-68,P-69,P-70, DIN 51524 Part II

Typical Specifications*				
ISO Viscosity Class	Tests Methods	32	46	68
Density, @ 15°C g/ml	ASTM 4052	0.87	0.88	0.89
Flash Point, COC, °C	ASTM D 92	222	230	232
Kinematic Viscosity at 40°C mm ² /s at 100°C mm ² /s	ASTM D 445	32 6.3	43 8.0	68 11.3
Viscosity Index	ASTM D 2270	163	162	162
Pour Point, °C	ASTM D 97	-45	-42	-40
Foam Tem./Foam Stb., ml 2. Kd.	ASTM D 892	10	10	10
Copper Strip Prot., 100°C, 3st	ASTM D 130	1a	1a	1a
Emulsion Property, 54°C, 30 min	ASTM D 1401	41-39-0	41-39-0	41-39-0
Air Release, 50°C, min	ASTM D 3427	04:00	04:30	04:30
Pass Test	ASTM D 665 A	Passed	Passed	Passed

* Values are changeable according to production.

Packing	
Drum	180 kg

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