606

Omega
The Ultimate Lubricant

DESCRIPTION:

Omega 606 is a high viscosity, multi-grade hydraulic oil, with a greater film strength than ordinary hydraulic oils. Omega 606 has been designed to function with superior results, without change, for 10 years.

TEMPERATURE RESISTANCE:

Omega 606 serves to minimize wear and frictional energy take-up by resisting temperature build-up. Some hydraulic oils are made from Iranian heavy crude, Nigerian crude, Qatar crude, Ratawi crude, or other such low quality oils which are prone to large temperature fluctuations. This results in pressure loss, unnecessary energy intake and slow, sluggish response.

VISCOSITY:

Omega 606 is highly viscous, so unlike ordinary hydraulic oils which are made from naphthenic crude, refined-waste or low-grade sulphur oils, Omega 606 ensures constant pressure, high volumetric efficiency, an absence of slippage and sound application.

LUBRICITY:

The oil in a hydraulic system must also provide excellent lubrication of moving parts. Omega 606 lubricates the friction-prone areas, and therefore facilitates motion. A special paraffinic mineral base oil makes Omega 606 a superior hydraulic oil.

OXIDATION AND WEAR RESISTANCE:

Omega 606 is a high grade oil that combats oxidation, where low grade oils have an acidic build-up (leading to corrosion of the entire hydraulic system), Omega 606 has a very low pH, and therefore there is no acid build-up and no resultant oxidation. Omega 606 is also fortified with special metal deactivators, and these, combined with its exceptional lubrication abilities, lessen metal-to-metal contact and reduce wear to a minimum.

TYPICAL DATA:

TEST	ASTM TEST METHOD	TEST RESULT
		SAE10W40
ISO Viscosity Grade	D-2422	100
Appearance	Visual	Red
Density, Kg/L @ 15°C	D-1298	0.890
Viscosity, cSt @ 40°C	D-445	97
Viscosity, cSt @ 100°C	D-445	14.3
Viscosity Index	D-2270	152
Flash Point, COC, °C	D-92	240(464)
Pour Point, °C	D-97	-33(-27)
Total Acid Number, mg KOH/g	D-974	0.60

TEST	ASTM TEST METHOD	TEST RESULT SAE10W40
Foaming Characteristics -		
All Sequences, After Settling	D-892	Nil
Rust Preventing Characteristics -		
Saltwater after 48 hrs @60°C	D-665	Pass
Oxidation Characteristics - Hours to TAN 2.0	D-943	>2000 min.
Aniline Point, °C(°F)	D-611	102(215)
Ash, Sulphated, % Mass	D-874	0.071
Zinc, % Mass	AA	0.040
Shear Stability, Viscosity Loss @ 40°C	DIN 51382	3.3
Shear Stability, Viscosity Loss @ 100°C	DIN 51382	3.3
Wear Tests/EP		
Pump Type	Vickers 104C	Pass
Pump Type	Vickers 35VQ25	Pass
Pump Type	Denison T5D	Pass
Pump Type	Denison P46	Pass
Poclain	Poclain	Pass
Racine	Racine	Pass
Air Entrainment (Pass, <6000)	DIN-51381	180
Filterability, Wet/Dry Ratio (Pass, <2.0)	Denison 1.2u	1.36