TECHNICAL DATA SHEET

HYPERION™ SYNTHETIC BLEND
HYDRAULIC/TURBINE/COMPRESSOR OILS

Hyperion™ Synthetic Blend oils bring together several developments in both base oil and additive technology to create a true multifunctional product. Hyperion™ Synthetic-Blend oils meet the needs of today's high precision hydraulic systems, turbines, and air compressors.

Hyperion™ Synthetic Blend has been formulated using the highest quality severely hydroprocessed & PAO synthetic oils. Laboratory tests and field experience have clearly demonstrated the positive impact of these base oils on finished product properties and performance.

In laboratory tests, Hyperion™ Synthetic Blend severely hydroprocessed base oil with PAO synthetics show a major reduction in evaporation loss. Oxidation stability exceeds that of conventional base oils by 80-150%. These performance improvements translate into reduced carbon and varnish deposits. The end result is longer oil and component life.

Whitmore uses an ashless (zinc-free) additive system that has been specifically tailored to these blended base oils. This further enhances the longevity and high temperature performance of the Hyperion™ Synthetic-Blend series. An extension in oil life of 50-75% can be expected. (The use of oil analysis to determine ideal change frequency is recommended.)

Use Hyperion™ Synthetic Blend in rotary screw compressors where the discharge temperature ranges up to 190°F (88°C).

BENEFITS:

- LONG LIFE - 50-75% plus longer oil life. Further extension is possible depending on operating temperature and maintenance practices, such as filtration.
- REDUCED DEPOSITS - less carbon and varnish means reduced stress and wear on components.
- ANTIWEAR PROTECTION - offers wear protection without the surface deposits that are created by zinc-based additive systems. These deposits can cause stickiness in high-precision spool valves.

APPLICATIONS:

Hyperion™ Synthetic Blend oils meet or exceed the requirements of all major manufacturers of hydraulic and turbine systems including General Electric Frame 7 Turbine units. Hyperion™ Synthetic Blend oils are suitable for use in flooded screw and flooded rotary vane air compressors. Due to their temperature stability and anti-wear properties Hyperion™ Synthetic Blend oils are recommended for lubrication of all types of bearings including bushings (sleeve bearings). They are also suitable for use on conveyor chains operating at temperatures up to 250°F (110°C) and for enclosed gearboxes where an “R & O” oil is specified. Viscosity grade ISO 32 is recommended for use in compressed air systems for lubrication of air operated tools.

Meets the following OEM requirements:

Vickers	1-286-S, M-2950-S
Denison	HF-1, HF-2, HF-0
Cincinnati Milacron	P-68, P-69, P-70
Lee Norse	100-1
Jeffrey	M-6C32
U.S. Steel	127, 136
B. F. Goodrich	0152
General Motors	LH-04-1, LH-06-01, LH-15-1

ASTM #		TYPICAL CHARACTERISTICS					
	ISO Grade	32	46	68	100	150	320
D-445	**Kinematic Viscosity** cSt @ 40°C cSt @ 100°C	 32 5.75	 46 7.40	 68 9.70	 100 12.80	 150 17.00	 309 25.40
D-2270	**Viscosity Index**	123	123	123	123	123	106
D-97	**Pour Point**, °F (°C)	-45 (-43)	-45 (-43)	-40 (-40)	-35 (-37)	-30 (-34)	4 (-20)
Gardner Method	**Density**, lb/gal @ 60°F (15.5°C) **Specific Gravity**, g/cc @ 60°F (15.5°C)	7.14 0.858	7.16 0.860	7.20 0.865	7.26 0.872	7.30 0.877	7.33 0.876
D-92	**Flash Point**, °F (°C)	410 (210)	410 (210)	425 (218)	440 (227)	485 (252)	530 (277)
D-4172	**Four Ball Wear,** Scar Width, mm @ 40 kg	0.40	0.40	0.40	0.40	0.40	0.40
D-665	**Rust Test**	Pass	Pass	Pass	Pass	Pass	Pass
D-2272	**Oxidation Stability** hrs by rotary bomb @ 302°F	32	32	33	35	27	24
D-943	**Oxidation Stability**, hrs	10,000	10,000	10,000	10,000	10,000	9,000

The above are average values. Minor variations which do not affect product performance are to be expected in normal manufacturing.

PACKAGING

Drums	Pails

For warranty information, scan the QR code.
You can also email us at sales@whitmores.com
Or write to the Sales Department at the address below.

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