

PRODUCT INFORMATION



Power-Syn HT Lubricants

DESCRIPTION: Power-Syn HT Lubricants are fully synthetic rust and oxidation (R&O) gear and bearing products designed for applications operating at high temperatures and/or very low temperatures in lightly loaded enclosed gear drives, and other industrial equipment operating under severe-service conditions **not** requiring extreme pressure (EP) load protection.

Power-Syn HT Lubricants are compatible with mineral oil-based lubricants, but mixing should be avoided for optimum performance.

- BENEFITS:**
- Extremely low pour point
 - Excellent rust and corrosion protection
 - Excellent oxidation resistance and thermal stability
 - Designed to improve efficiencies in compressor and gearboxes
 - Provides excellent lubrication flow characteristics over very wide temperature range

APPLICATION: Power-Syn HT Lubricants are recommended for non-EP type gear and R&O bearing service and industrial worm gear drives with bronze-on-steel gears where excellent lubrication is required over a very long service life, including temperature extremes. **Refer to equipment OEM for proper viscosity requirements.**

Typical Properties:

Power-Syn HT Lubricants

ISO Viscosity Grade		68	100	150	220	320	460	680	1000
Product Code	Test Method	PA343801	PA343802	PA343803	PA343804	PA343805	PA343806	PA343807	PA343808
Viscosity, cSt @ 40°C	ASTM D445	67.0	96.7	152.1	215	320	455	680	1000
Viscosity, cSt @ 100°C	ASTM D445	11.6	13.5	18.9	26	40	45	61	94.0
Viscosity Index	ASTM D2270	145	150	150	160	160	160	160	180
Flash Point, COC, °F (°C)	ASTM D92	473(245)	473(245)	482(250)	482(250)	482(250)	482(250)	482(250)	534 (278)
Pour Point, °F (°C)	ASTM D97	-49(-45)	-40(-40)	-40(-40)	-40(-40)	-40(-40)	-40(-40)	-40(-40)	-28 (-33)
Copper Corrosion	ASTM D130	1A	1A	1A	1A	1A	1A	1A	1A
Oxidation Life, Hours	ASTM D943	>10,000	>10,000	>10,000	>10,000	>10,000	>10,000	>10,000	>10,000

Note: Values shown are typical only and do not constitute a specification. Minor variations in product are to be expected in normal manufacturing. Always confirm with the original manufacturer's recommendation for proper equipment operating requirements.

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