



Wind Product Line Card

| Product Code | Product Name | Syn | ISO or SAE Viscosity / NLGI | VI Range | Properties and Applications** |
|----------------------------------|---|-----|-----------------------------|----------|--|
| Hydraulic Oil | | | | | |
| Zinc Hydraulic Oil | | | | | |
| HSZ | Synthetic Anti-Wear Hydraulic Oil | X | 22,32,46 | 190-254 | Premium ultra-high-VI synthetic hydraulic oil engineered with anti-wear additives and superior cold-flow properties that help prevent metal-to-metal contact in extreme-temperature operation. |
| HASZ | Synthetic Multi-Viscosity Hydraulic Oil | X | 32,46,68,100 | 154-177 | Premium high-VI synthetic oil engineered with excellent anti-varnish additives to promote cleaner hydraulic systems. Filtered at packaging to 16/14/11 cleanliness. |
| Zinc-Free Hydraulic Oil | | | | | |
| HSNZ | Synthetic Zinc-Free Hydraulic Oil | X | 32,46,68,100 | 169-193 | Premium high-VI synthetic zinc-free hydraulic oil engineered with environmentally friendly additives to provide superior extreme-temperature performance. Compatible with synthetic and mineral oils for top off. Filtered at packaging to 16/14/11 cleanliness. |
| HNZO | (Ashless) Zinc-Free Hydraulic Oil | | 22,32,46,68 | 128-132 | High-quality, environmentally friendly, zinc-free hydraulic oil. |
| Specialty Hydraulic Oil | | | | | |
| THB | Synthetic Turbine Hydraulic Oil | X | 32 | 282 | Premium ultra-high-VI synthetic hydraulic oil engineered for superior performance and long life in industrial and wind turbine brake applications subjected to operation in subzero temperatures. Ensures superior fluidity for improved startup performance. |
| Gear Oil | | | | | |
| Main Gearbox Oil | | | | | |
| PTN GEN2 | Synthetic Power Transmission EP Gear Oil GEN2 | X | 320 | 177 | Premium next-generation high-VI synthetic PAO gear oil engineered with extreme-pressure additives for superior subzero-temperature performance and maximum wear protection in wind turbine and industrial gearboxes operating in severe-service conditions. |
| PT Series | Synthetic Power Transmission EP Gear Oil | X | 150,220,320,390,460 | 148-160 | Premium high-VI synthetic PAO gear oil engineered with extreme-pressure additives for superior performance and wear protection in wind turbines and industrial gearboxes operating in severe-service conditions. |
| Pitch and Yaw Gearbox Oil | | | | | |
| GISEP | Synthetic Industrial EP Gear Oil | X | 68,100,150,220,320,460,680 | 151-192 | Premium high-VI synthetic gear oil engineered with extreme-pressure additives to provide superior protection for gears and bearings operating in severe-service and shock-loading conditions. Resists thermal breakdown for long oil and component life. |

*All trademarked names are the property of their respective owners and may be registered marks in some countries. No affiliation or endorsement claim, express or implied, is made by their use.

**The typical properties listed above reflect the general characteristics of the product and are not manufacturing specifications. Variations that do not affect product performance should be expected. Product formulations are subject to change without notice. The customer or user is responsible for determining the product's suitability for use with their equipment.

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|----------------------------------|--|-----|-----------------------------|----------|---|
| Grease | | | | | |
| GRXDP460 | Synthetic XDP 460 Grease | X | NLGI#1.5 | | Extreme-duty synthetic grease engineered with a calcium sulfonate thickener and extreme-pressure additives for superior mechanical stability and protection against wear and corrosion in wind turbine main bearings and other industrial applications. |
| GRCSMA | Open Gear Grease | | NLGI#2 | | High-quality grease with calcium-sulfonate-complex thickener and proprietary additive package designed to provide exceptional adhesion and wear protection during heavy shock loading in wind turbine pitch and yaw gears and other industrial gear applications. Exceptional resistance to water washout. |
| Flushing and Cleaning Oil | | | | | |
| AM1194 | Power Transmission Flushing Oil | | 320 | 111 | Value-based extreme-pressure oil to flush contaminants from gearboxes during oil changes, preparing the gearbox for new oil and maximizing its life. |
| AM0005C | Cleaning Agent | | n/a | 115 | Non-solvent based industrial cleaning agent assists in cleaning wind and industrial gearboxes of sludge, varnish or additive fallout caused by previously used gear oils. Does not harm seals or internal coatings when guidelines are followed. Not designed as long-term gear oil replacement. |
| Antifreeze/Coolant | | | | | |
| ACHD | HD Engine Antifreeze/Coolant-EG 50/50 Premix | | | | Hybrid-organic-acid-technology (HOAT) ethylene glycol coolant formulation premixed 50/50 with high-purity water. Designed to fight scale and sludge formation, prevent corrosion and provide boil-over protection to 265°F in 15-psi closed system and freeze protection down to -34°F. Meets ASTM D6210 level of performance, for applications including heavy-duty trucks and wind-turbine-converter coolant. |