GST ADVANTAGE™ RO ISOCLEAN® CERTIFIED LUBRICANT 32, 46

PRODUCT DESCRIPTION

GST Advantage™ RO ISOCLEAN® Certified Lubricants are formulated with VARTECH™ Technology, which is advanced chemistry combined with premium base oils that inhibits varnish formation to help maintain peak performance, reliability and productivity.

Chevron ISOCLEAN Certified Lubricants have been certified to meet specified ISO Cleanliness standards at point of delivery using industry leading filtration and testing technology. ISOCLEAN Certified products are the first step for contamination control and maximizing component life.

CUSTOMER BENEFITS

GST Advantage RO ISOCLEAN Certified Lubricants deliver value through:

- **Ready to use** — Enables users to meet stringent original equipment manufacturers' cleanliness standards for fill lubricants.
- **Flexibility** — ISO Cleanliness targets can be customized to fit your business application needs.
- **Peace of mind** — Each delivery of Chevron ISOCLEAN Certified Lubricant includes an ISOCLEAN Certificate of Analysis.
- **OE fluid cleanliness requirements** — Customized to meet specific equipment manufacturers' fluid cleanliness requirements.
- **Low Varnish Potential** ensures varnish formation is minimized to extend oil life and protect equipment.
- **Exceptional Oxidation and Thermal Stability** for long service life at severe temperatures with minimal deposit formation.
- **Outstanding Rust and Corrosion Protection**
- **Minimum Foaming** helps prevent sump overflow or erratic governor operation.
- **Fast Air Release** minimizes possibility of pump cavitation in systems with high circulation rates and lesser residence time.
- **Rapid Water Separation** facilitates water removal.
- **Hydraulic Fluid Service** for systems requiring an ISO viscosity grade 32 or 46, and pressures not exceeding 1000 psi.
- **Air Compressor Lubricant** for systems requiring an ISO viscosity grade 32 or 46 R&O oil.

FEATURES

GST Advantage RO ISOCLEAN Certified Lubricants are formulated with VARTECH Technology to resist and disrupt the formation of varnish while maintaining outstanding thermal and oxidative stability. They are suitable for use in non-geared gas and steam turbines where elevated temperatures are experienced and require circulation systems with exceptional high temperature stability.

GST Advantage RO ISOCLEAN Certified Lubricants combine highly refined group II base stocks and a unique ashless, zinc-free formulation minimizing the formation of deposits in reservoirs, high temperature bearings, and, other hot areas of the turbine that can lead to trips and failures.

Product(s) manufactured in the USA.
Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A **Chevron** company product

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APPLICATIONS

GST Advantage™ RO products are formulated to meet the critical demands of non-geared gas, steam and hydroelectric turbine bearing lubrication and R&O service in marine reduction gears. They are additionally suitable for industrial severe service requiring an R&O, ISO viscosity grade 32 or 46 circulating oil with extended service capability.

PERFORMANCE CLAIMS

	32	46
Ansaldo Energia TGO2-0171-E0000/C		**A**
ANSI/AGMA 9005-E02 R&O	M	M
ASTM D4304 Type I and III	M	M
British Standard 489:1999	M	M
China National Std GB 11120-2011 L-TSA Type A/B, GB 11120-2011 L-TGA	M	M
DIN 51515/1 and 51515/2	M	M
GE Oil & Gas ITN52220.02, ITN 52220.03	M	M
GEC Alstom NBA P5001A, P50003A	M	M
General Electric (Alstom) HTGD 90117 (for non-geared turbines)	M	M
General Electric GEK-27070, 28143a, 28143b, 32568c, 32568d, 32568e, 32568f, 32568g, 32568h, 32568i, 32568j, 46506d, 46506e, 107395a	M	M
ISO 8068 (L-TGA, L-TSA), 6743/5 (L-TSA, L-TGA, L-TGB)	M	M
JIS K-2213 Type II	M	M
Siemens Industrial Turbo Machinery 81 21 01	M	M
Siemens Westinghouse PD-55125Z3	M	M
Solar Turbine ES 9-224 Class II	M	M

A: Approved for

M: Meets or exceeds requirements

Do not use in high pressure systems in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

Do not use in breathing air apparatus or medical equipment.

Consult with your Chevron Lubricant Representative or Chevron ISOCLEAN Certified Lubricants Marketer to set specific ISO Cleanliness targets for your business application.

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TYPICAL TEST DATA

ISO Grade	32	46
Product Number	*254617*	*278089*
SDS Number		
U.S.	*47986*	*47986*
Canada	*47987*	*47987*
Mexico	*47988*	*47988*
API Gravity	32.5	33.0
Viscosity, Kinematic		
cSt at 40°C	34.2	42.4
cSt at 100°C	5.7	6.6
Viscosity, Saybolt		
SUS at 100°F	162.3	218.2
SUS at 210°F	44.4	48.1
Viscosity Index	105	103
Flash Point, °C(°F)	224(435)	236(456)
Pour Point, °C(°F)	-14(7)	-13(9)
Oxidation Stability		
ASTM D943[a]	10,000	10,000
ASTM D2272[b]	1,500	1,600
IP 280 (TOP), m %	0.08	0.08
Air Release D3427 at		
50°C, minutes	1.4	2.1

a Hours to 2.0 mg KOH/g acid number D943.
b Minutes to 25 psi pressure drop.

Minor variations in product typical test data are to be expected in normal manufacturing.

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