GST® Oil

32, 46, 68, 100

Product description

GST® Oils are formulated with premium base oil technology designed to meet the critical demands of:

- non-geared gas, steam, and hydroelectric turbine bearing lubrication
- reduction gear lubrication in marine operations

They are an excellent recommendation for many other industrial applications including air compression where R&O type oils are recommended.

Customer benefits and product features

Customer benefits

GST® Oils help deliver value through**:**

- **Exceptional oxidation stability,** helping provide long service life at elevated temperatures. Formulated with premium base oil technology and an ashless, zinc-free formulation.
- **Rust and corrosion protection**
- **High viscosity index,** helping ensure minimal viscosity change when variations in temperature occur.
- **Minimal foam,** helping prevent sump overflow and erratic governor operation.
- **Fast air release,** minimizing possibility of pump cavitation in systems with high circulation rates and small reservoirs.
- **Exceptional thermal stability,** minimizing deposit formation.
- **Rapid water separation,** helping keep water in oil to a minimum.
- **Hydraulic fluid service** — GST® Oils 32, 46 and 68 are excellent hydraulic fluids in low pressure systems up to 1000 psi.
- **Air compressor** lubricant when OEM recommends R&O type oil.

Product features

GST® Oils are formulated with premium base oil technology and an ashless, zinc-free formulation that provides exceptional oxidation stability, water separability, and protection against rust and corrosion.

High temperatures in advanced gas and steam turbines require circulating system oil with exceptional high temperature stability. GST® Oils have outstanding **thermal and oxidation stability.**

Non-volatile **oxidation inhibition** helps minimize the evaporative loss of the inhibitors, a common problem with turbine oils where bearing temperatures are high and system capacities are limited. With retained oxidation resistance for long periods under high temperature conditions, GST® Oils help promote long oil service life and minimize turbine down time.

Corrosion inhibition helps protect costly turbine shafts and gears from corrosion and rusting.

GST® Oils have excellent demulsibility characteristics which allow them to maintain a high film strength coating on critical wear points of bearings and gear reducers and provide fast removal of water contamination.

Foam inhibition helps prevent sump overflow and erratic governor operation.

Applications

GST® Oils are formulated to meet the demands of non-geared gas, steam, and hydroelectric turbine bearing lubrication, and reduction gear lubrication in marine operations. They are an excellent recommendation for many other industrial applications including air compression where R&O type oils are recommended.

GST® Oil 32, 46, 68, 100 are registered by **NSF** and are acceptable as lubricants where there is no possibility of food contact (H2) in and around food processing areas. The NSF Non-food Compounds Registration Program is a continuation of the USDA product approval and listing program, which is based on meeting regulatory requirements of appropriate use, ingredient review and labelling verification.

Visit Product Information Center >

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Product approvals, performance, and recommendations

ISO GRADE	32	46	68	100
Ansaldo Energia AD000020487	**A**	**A**		
Ansaldo Energia TGO2-0171-E0000		**A**		
General Electric (Alstom) HTGD 90117	**A**	**A**	M	
MAN Energy Solutions 10000494596	**A**	**A**	**A**	
Siemens TLV 9013 04, TLV 9013 05	**A**	**A**		
Siemens Westinghouse PD-55125Z3	**A**			
Alstom NBA P50001A	M	M		
Alstom NBA P50003A	M			
GE Oil & Gas ITN52220.02, ITN 52220.03	M	M		
General Electric GEK 28143a, b	M	M		
General Electric GEK 107395A, 120498, 27070, 32568e-k, 46506d, e	M			
MAG Cincinnati Cincinnati Machine P-38	M			
MAG Cincinnati Cincinnati Machine P-55		M		
MAG Cincinnati Cincinnati Machine P-54			M	
Siemens MAT 812101	M			
Siemens MAT 812102		M		
Solar Turbine ES 9-224 Class II	M	M		
ASTM D4304 Type I	M	M	M	M
ASTM D4304 Type III	M	M		
ANSI/AGMA 9005-F16	M	M		
British Standard 489	M	M	M	M
DIN 51515-1 TD	M	M	M	M
DIN 51515-2 TG	M	M		
ISO 8068 AR, B, L-TSA, L-TGA, TGB, TGSB	M	M	M	
JIS K-2213 Type 2	M	M		

A: Approved for
M: Meets or exceeds requirements

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Typical Test Data

GST® OILS KEY PROPERTIES	TEST METHOD	RESULTS			
SAE Grade		**32**	**46**	**68**	**100**
Product Code		**560808**	**560809**	**560841**	**560842**
Air Release @ 50°C, min	D3427	2.5	2.9	3.6	5.0
Flash Point, COC, °C	D92	222	224	245	262
Oxidation Stability					
TOST Life, hr to 2.0 Acid No.	D943	10,000+	10,000+	10,000+	10,000+
RPVOT min to 25 psi drop	D2272	1700	1400	1400	1400
Pour Point, °C	D97	-36	-36	-33	-30
Kinematic Viscosity,					
mm²/s @ 40°C	D445	32	43.7	64.6	95.0
mm²/s @ 100°C	D445	5.2	6.6	8.5	11.0
Viscosity Index	D2270	102	102	102	100

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended. Produced by Chevron Global Lubricants: Asia Pacific.

ENVIRONMENT, HEALTH and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit the Product Information Center.

This Product Data Sheet (PDS) was produced for the Asia Pacific region based on the best available information at the time of issue. The specific information included may not directly reflect the market or conditions, and may vary. For the most up-to-date, country-specific information, please contact your local customer service center.

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GST-OIL/AP/PDSv1_01/03/2022

Chevron's Family of Brands

A Chevron company product