



CHEVRON GST[®] 2300

ISO 32, 46

CUSTOMER BENEFITS

Chevron GST 2300 deliver value through:

- **Outstanding oxidation stability** for long service at elevated temperatures
- **Reduced sludge and varnish formation**
- **Rapid water separation** keeps water in oil to a minimum
- **Rust and corrosion protection**
- **High viscosity index** assures minimum viscosity change with temperature variations
- **Resistance to foam formation** prevents reservoir overflow
- **Quick air release** minimizes the possibility of pump cavitation in systems with high circulation rates and small reservoirs

FEATURES

Chevron GST 2300 oils are designed to meet the critical lubrication demands of:

- combined cycle turbines
- large heavy duty industrial gas turbines
- gas and steam turbines with loaded gears

They are an excellent recommendation for many other industrial applications including air compression.

Chevron GST 2300 oils are formulated with ISO SYN[®] base stocks.

Higher temperatures in advanced gas and steam turbines require a circulating system oil with exceptional high temperature thermal stability, oxidation resistance and low sludging potential. Chevron GST 2300 oils have **outstanding thermal and oxidation stability and excellent sludge control**.

Corrosion inhibition protects turbine shafts, gears and lubrication system parts from corrosion and rusting.

Chevron GST 2300 oils have excellent **water separability** characteristics which allow these oils to maintain a high film strength coating on critical wear points of bearings and gear reducers and assure rapid removal of water contamination.

Foam inhibition prevents sump overflow.

APPLICATIONS

Chevron GST 2300 oils are highly recommended for use in gas and steam turbines with and without loaded gearboxes.



The following viscosity grades are formulated to meet the specified OEM requirements:

Chevron GST 2300 ISO 32

- meets and exceeds
 - **General Electric** GEK-32568f, GEK-101941A, GEK 28143A, GEK-46506D, GEK-27070
 - **Siemens Westinghouse** M spec 55125Z3
 - **Solar** ES 9-224, Class II
 - **MAG Cincinnati, Cincinnati Machine** P-38
 - **British Standard** 489:1999
 - **DIN** 51515, L-TD and L-TG
 - **ASTM** D4304-00, Type I and Type II (EP)
- is approved by **Alstom** against HTGD 90117 for non-gear and geared gas and steam turbines
- is approved by **Siemens** against TLV 9013 04 for steam and gas turbosets with and without gearbox
- replaces Chevron GST Oil EP ISO 32

Chevron GST 2300 ISO 46

- meets and exceeds
 - **Solar** ES 9-224, Class II
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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.

TYPICAL TEST DATA

| ISO Grade | 32 | 46 |
|--|------------------|------------------|
| Product Number | 253090 | 253091 |
| MSDS Number | 12506 | 12506 |
| AGMA Grade | — | 1 |
| API Gravity | 32.7 | 32.0 |
| Viscosity, Kinematic cSt at 40°C cSt at 100°C | 30.4 5.2 | 43.7 6.6 |
| Viscosity, Saybolt SUS at 100°F SUS at 210°F | 157 43.8 | 225 48.2 |
| Viscosity Index | 102 | 101 |
| Flash Point, °C(°F) | 222(432) | 224(435) |
| Pour Point, °C(°F) | -33(-27) | -33(-27) |
| Oxidation Stability ASTM D 943 ¹ ASTM D 2272 ² | >10,000 2,300 | >10,000 2,300 |
| FZG, Fail stage, DIN 51354 | 12 | 12 |

Typical test data are average values only. Minor variations which do not affect product performance are to be expected in normal manufacturing.

- 1 Hours to 2.0 mg KOH/g acid number D943
- 2 Minutes to 25 psi pressure drop