



TEXACO REGAL[®] PREMIUM EP

32, 46

CUSTOMER BENEFITS

Texaco Regal Premium EP oils 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

Texaco Regal Premium EP 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

Texaco Regal Premium EP oils are formulated with severely hydrotreated 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. Texaco Regal Premium EP 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.

Texaco Regal Premium EP 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

Texaco Regal Premium EP 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:

Texaco Regal Premium EP 32

- meets and exceeds
 - **General Electric** GEK-32568f, GEK-101941A, GEK 28143A, GEK-46506D, GEK-27070
 - **Siemens** TLV 9013 04 (R&O and EP)
 - **Siemens Westinghouse** M spec 55125Z3
 - **Alstom** HTGD 90 117 (R&O and EP)
 - **Solar** ES 9-224, Class II
 - **Cincinnati Lamb** P-38
 - **British Standard** 489:1999
 - **DIN** 51515, L-TD and L-TG
 - **ASTM** D4304-00, Type I and Type II (EP)

Texaco Regal Premium EP 46

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 - **Siemens** TLV 9013 04 (R&O and EP)
 - **Alstom** HTGD 90 117 (R&O and EP)
 - **Solar** ES 9-224, Class II
 - **Cincinnati Lamb** P-55
 - **British Standard** 489:1999
 - **DIN** 51515, L-TD and L-TG
 - **ASTM** D4304-00, Type I and Type II (EP)

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
CPS Number	221300	221301
MSDS Number	12799	12799
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