



# Regal<sup>®</sup> EP

## High performance gas and steam turbine lubricant for geared and non-geared systems

### Product description

Formulated for geared and non-geared systems, Regal EP is a high technology gas and steam turbine lubricant. Regal EP is designed to provide a high VI and good thermal and oxidation resistance, giving extended, wide temperature service in steam, hydraulic and gas turbines and many other associated applications.

### Customer benefits

- Recommended for both geared and non-geared systems
- High thermal stability extends lubricant service life, reducing oil replacement costs
- Oxidation resistance and ashless additives keep systems deposit-free, improving performance
- Wear, rust and corrosion resistance protects components, increasing uptime and productivity
- Rapid water separation improves operating efficiency and equipment protection
- Fast air release and good foam suppression protects turbine bearings
- Wide range of applications, reduces inventories, saving time and money.

### Product highlights

- **High thermal stability**
- **Excellent rust and corrosion protection**
- **Rapid water separation**

**Selected specification standards and OEM approvals include:**

DIN	BS
ISO	

## Applications

- Regal EP is recommended for use in the lubrication systems of mineral oil lubricated steam and hydraulic turbines operating under all service conditions, particularly in modern turbo-sets where turbine oil is used for gearbox lubrication
- Regal EP is also recommended for gas turbines in moderate service where high ambient temperatures are not present in the bearing housings
- Regal EP is also suitable for the lubrication of a wide range of equipment associated with turbines. Typical applications include air compressors, bath and circulating systems supplying bearings of all types, lightly to moderately loaded gear sets, pumps, electric motors and low to moderate pressure hydraulic systems.

## Approvals, performance and recommendations

### Performance

- Regal EP meets ISO 6743/5 (L-TSA, L-TSE, L-TGA)
- Regal EP 100 meets DIN 51515/T1 L-TD
- Regal EP 100 meets BS 489

Typical test data						
Test	Test methods	Results				
Viscosity Grade		100	150	220	320	
Visc. Kinematic at 40°C	ISO 3104	100	150	220	320	
Visc. Kinematic at 100°C	ISO 3104	11.1	14.6	18.7	23.4	
Visc. Index	ISO 2909	95	95	95	95	
Colour	ISO 2049	<2.0	<3.0	<3.0	<3.5	
Flash Point, °C	ISO 2592	255	260	276	270	
Pour point, °C	ISO 3016	-18	-12	-12	-12	
Density, 15°C, Kg/l	ASTM D1298	0.880	0.886	0.893	0.895	
Cu Corrosion, 3h, 100°C	ASTM D0130	1A	1A	1B	1B	
Ash, %wt	ASTM D0482	<0.01	<0.01	-	-	
FZG, Fail. load stage	DIN 51354	10	10	-	-	

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

**Disclaimer** Chevron accepts no liability for any loss or damage suffered as a result of using this product for any application other than applications specifically stated in any Product Data Sheets.

**Health, safety, storage and environmental** Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application and in accordance with the recommendations provided in the Material Safety Data Sheet (MSDS). MSDSs are available upon request through your local sales office, or via the Internet. This product should not be used for purposes other than its intended use. When disposing of used product, take care to protect the environment and follow local legislation.

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