



## PRODUCT INFORMATION

# RL TURBINE

(CODE: 32 8000, 46 8001, 68 8002)

### Description

RL Turbine oils are premium performance, anti-wear type turbine oil formulated from severely refined turbine grade base stocks, an ash less anti-wear additive system and special rust, oxidation and foam inhibitors, and metal passivators. Specifically designed for use in gas turbines with reduction gear sets.

### Summary of benefits

- **Prolonged life of reduction gear sets:** Special anti-wear additive system forms a protective chemical film on heavily loaded gear tooth surfaces to minimise wear and scuffing.
- **Prolonged oil service life:** Severely refined base stocks and special inhibitor system provide excellent long term oxidation stability to resist oil breakdown under severe, high temperature conditions. The metal passivators minimise the catalytic effect of copper components on oil breakdown.
- **Saves on maintenance and downtime:** Severely refined base stocks and special oxidation inhibitor system resist the formation of harmful deposits in high temperature bearings and other hot areas of the turbine. The highly effective rust inhibitor protects system components against corrosion. Good water separability ensures rapid settling of water accumulated from steam condensate and no problems with salt-water contamination.
- **Minimum operational problems:** Non silicone foam inhibitor allows rapid release of entrained air while minimising foam formation to enable reliable operation of sensitive hydraulic control devices. The multipurpose nature of the formulation enables use in a wide range of industrial applications, simplifying oil inventories and reducing the possibility of using the wrong lubricant.

### Specifications

British Standard	489:1999
German Standard	DIN 51515 (Part 1)
Siemens/KWU	Meets requirements
Alstom, ABB and EFT	Meets requirements

### Storage

All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C.

### Health, Safety and Environment

Health and safety and environmental information is provided for this product in the relevant Materials Safety Data Sheet which can be obtained by contacting Royal Precision Lubricants on (03) 9553 0840.

### Typical characteristics

ISO Viscosity Grade	32	46
Acid Number, mg KOH/g	0.17	0.17
Copper Strip Corrosion, 3h at 100°C	1a	1a
Demulsification Number, seconds	90	90
Density at 15°C, kg/L	0.870	0.876
Flash Point, COC, °C	230	234
Oxidation Characteristics, IP280		
Total Oxidation Products, %m	0.16	0.18
Sludge, %m	0.07	0.07
Oxidation Stability D943, h to 2.0 Acid No.	4500+	4500+
Pour Point, °C	-30	-21
Rust Test, Salt Water, D665B	pass	pass
Viscosity, cSt at 40°C	31	44
Viscosity, cSt at 100°C	5.4	6.8
Viscosity Index	111	109

*Typical characteristics are only a guide to industry and are not necessarily manufacturing or marketing specifications and do not constitute a legal liability.*