

ENOC VORTEX GT-2 EP

PRODUCT DESCRIPTION

ENOC VORTEX GT-2 EP is a premium performance, anti-wear turbine oil manufactured from high quality hydro treated turbine base oils with high temperature corrosion and oxidation inhibitors designed for modern high performance Industrial Gas Turbines. The result is a product that exhibits outstanding oxidation performance to meet the requirements of gas turbines with reduction gear sets.

APPLICATIONS

- ◆ All types of stationary industrial gas turbines with reduction gear sets.
- ◆ Turbine gear sets which require extreme pressure performance lubricants
- ◆ High pressure and high temperature steam turbines
- ◆ High thermal efficiency combined cycle gas and steam turbine units
- ◆ Air compressors, turbo-blowers and centrifugal pumps requiring a rust and oxidation inhibited oil.
- ◆ Moderate loaded gear units in a circulation systems, moderate pressure hydraulic pumps, vacuum pumps, conveyors and electric motors.

RECOMMENDATIONS

VORTEX GT-2 EP has been developed to meet major Turbine manufacturer specifications for Industrial gas turbines with reduction gear sets where special anti-wear additive system forms a protective chemical film on heavily loaded gear tooth surfaces to minimize wear and scuffing.

PERFORMANCE STANDARDS AND OEM RECOMMENDATIONS

DIN 51515/1; BS489 – 1999; Alstom, ABB and EGT; Siemens/KWU

BENEFITS

VORTEX GT-2 EP PROVIDES

- ◆ Extended oil service life using special high temperature oxidation inhibitors
- ◆ Low maintenance and downtime using special severely refined base oils giving long life oxidation resistance
- ◆ Prolonged life of reduction gear sets using special anti-wear additive system which will form a protective chemical film that minimize wear and scuffing.
- ◆ Minimum operational problems by using a non-silicon foam inhibitor which allow rapid release of entrained air while minimizing foam formation.

Technical Data*			
ISO Grade	32	46	68
Oxidation Stability			
D943, hrs to 2.0 Acid No.	>10000	>10000	>10000
FZG, Load Stage	9	9	9
Air Release @ 50 Deg.C, minutes (Typ)	<3	<3	<3
Viscosity, mm ² /s @40°C	31.8	47	69
mm ² /s @100°C	5.4	7	9
Viscosity Index	103	105	103
Flash Point, COC °C	230	236	236
Pour Point, °C (typ)	-15	-18	-15
Rust Test (D665)	Pass	Pass	Pass
Water Separability	<10 Min	<10 Min	<10 Min
Foaming ml/ml	0/0, 10/0, 0/0	0/0, 10/0, 0/0	0/0, 10/0, 0/0
Product code	242020	242021	242022

*The information prepared provides the typical properties that are considered as representative. Some variation which will not affect performance is possible

HEALTH AND SAFETY, ENVIRONMENT

The information on this product is available in the ENOC Material Safety Data Sheet (MSDS) as a guide to the precautions and safe handling of this product and its disposal. For further information we recommend you review the MSDS. Handled correctly there are no special precautions suggested.