ENOC VORTEX GT-2

PRODUCT DESCRIPTION

ENOC VORTEX GT-2 is manufactured from special high quality turbine-grade 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 severe operational conditions. It can ensure precise operation of servo-hydraulic controls and offers good corrosion protection. They also have excellent antifoam and air release characteristics which is important for the precision of the servo-control systems.

APPLICATIONS

- All types of stationary industrial gas turbines
- Turbine gear sets which do not require extreme pressure performance lubricants
- High pressure and high temperature steam turbines
- High thermal efficiency combined cycle gas and steam turbine units

RECOMMENDATIONS

VORTEX GT-2 has been developed to meet General Electric and other major Turbine manufacturer specifications for Industrial gas turbines where high gas temperatures in the bearing housings can be experienced. It has good rationalisation properties which are important for operators who need to lubricate all types of gas and combined gas and steam turbines designed to operate on high performance mineral oil lubricants.

PERFORMANCE STANDARDS AND OEM RECOMMENDATIONS

DIN	51515/1		
BS	489 - 1983		
ISO	6743/5 L TSA, TGA, TGB, TGE		
JIS	K 2213 Type 2	General Electric	GEK 32 568F, 28143A
Alstom	HTGD 90 117	ABB STAL	81 21 01
Siemens	TLV 9013 04	Pignone Nuovo	SOM 173664, 23543/5
Thermodyn	ISPSH 901 SDI, 902 SDI	SOLAR	ES 9-224 U

BENEFITS

VORTEX GT-2 PROVIDES

- Extended oil service life using special high temperature oxidation inhibitores
- Low maintenance and downtime using special severely refined base oils giving long life oxidation resistance
- Precise servo-control valve operation through control of formation of harmful deposits
- Rationalisation capability where gas and steam turbine units are combined

Technical Data*				
ISO Grade	**32**	**46**	**68**	**100**
TOST Hrs to TAN = 2.0 mg KOH/g	>10000	>10000	>10000	>6500
RBOT mins ASTM D 2272 (Modified)	>1300	>1300	>1200	>1200
Viscosity, mm^2/s @40^oC	31.70	47.66	69.69	99.7
Viscosity, mm^2/s @100^oC	5.39	7.06	9.02	11.34
Viscosity Index	103	105	103	100
Flash Point, COC °C	230	234	236	250
Pour Point, °C	-18	-18	-18	-12
Product code	242001	242002	242003	242004

*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.

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