



GST Advantage™ RO with VARTECH™ Technology Protects Against Sludge and Varnish Build-Up

Chevron Sycamore Cogeneration Plant, Bakersfield, California

GST Advantage™ RO was developed in 2011 to meet customers' needs for an effective product to help manage sludge and varnish build-up in their gas and steam turbines. It is currently in-service without operational issues in a GE 7EA gas turbine that operates approximately 8,000 hours annually at the Chevron Sycamore Cogeneration Plant in Bakersfield,

California. In the spring of 2018, a Rotating Pressure Vessel Oxidation Test (RPVOT) was conducted on the oil after six years of continuous service to help in determining the remaining life of the lubricant's oxidation inhibitor. It was determined that the oil could remain in service until the next planned major shutdown.



The manufacturers identified in this brochure did not participate in, nor do they endorse any results described or shown in this brochure.



GST Advantage™ RO with VARTECH™ Technology OEM Specifications

OEM/Performance Claim	ISO 32		ISO 46	
	Approved	Meets Requirements	Approved	Meets Requirements
Ansaldo EnergiaTG02-0171-E00000/C, AE64.3A			✓	
SIEMENS TLV 9013 04	✓		✓	
SIEMENS TLV 9013 05	✓		✓	
MAN Turbo 10000494596	✓		✓	
MHPS MS04-MA-CL002 Rev. 4		✓		✓
ASTM 4304 - Type I		✓		✓
ASTM 4304 - Type III		✓		✓
ANSI/AGMA 90005-E02-R&O		✓		✓
BS-489: 1999		✓		✓
China National Std GB 11120-2011 L-TSA Type A		✓		✓
China National Std GB 11120-2011 L-TSA Type B		✓		✓
China National Std GB 11120-2011 L-TGA		✓		✓
DIN 51515 Pt. 1 2010-02, TD32, 46, 68,100		✓		
DIN 51515 Pt. 2 , 2010-02, TG32&46		✓		✓
GEC Alstom NBA P50001A		✓		✓
GEC Alstom NBA P50003A		✓		✓
GEK 107395A		✓		✓
GEK 120498		✓		✓
GEK 27070		✓		✓
GEK 28143B		✓		✓
GEK 32568E-K		✓		✓
GEK46506 D, E		✓		
GE Oil and Gas, ITN52220.02 Table 1 Section 1, 2, 3		✓		✓
GE Oil and Gas, ITN52220.03 Par 16, Table 1 Section 1, 2, 4		✓		✓
ISO 8068 AR		✓		✓
ISO 8068 B		✓		✓
ISO 8068 L-TSA		✓		✓
ISO 8068 L-TGA		✓		✓
JIS K2213 Type 2		✓		✓
Siemens MAT 812101		✓		✓
Siemens MAT 812102				✓
Siemens Westinghouse PD-55125Z3		✓		✓
SOLAR ES-9-224 Class II W		✓		✓
Toshiba LST-GMH-XUTW2-0005 Rev. 2		✓		
Skoda Power TP0010P		✓		✓
Cincinnati Machine (MAG) P-38		✓		✓
ISO 6743-5 L-TGB		✓		✓
ISO 6743-5 ISO-L-TSA		✓		✓
ISO 6743-5 ISO-L-TGA		✓		✓

Refer to Product Data Sheet for current OEM specifications, requirements and approvals.

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