

REOLUBE® TURBOFLUID 32B GT

Fire-Resistant EHC Fluid

DESCRIPTION

REOLUBE® TURBOFLUID 32B GT is an ISO 32 synthetic phosphate ester designed primarily for the hydraulic control and lubrication systems of stationary industrial gas turbines. It can also be used in steam turbine and combined cycle applications.

The values given in the tables are typical and do not constitute specification limits.

TYPICAL PROPERTIES

PHYSICAL PROPERTY	UNIT	TYPICAL VALUE	TEST METHOD
Kinematic Viscosity at 100°C at 40°C at 0°C	cSt	4.8 32.8 844.8	ISO 3104
Specific Gravity at 20°C		1.17	ISO 3675
Pour Point	°C	-24	ISO 3016
Acid Number	mg·KOH/g	0.01	ISO 6619
Chlorine Content	ppm	<2	Microcoulometric
Water Content	% w/w	0.07	ISO 760
Volume Resistivity at 20°C	Mohm·m	18	IEC 60247
Foaming at 24°C tendency stability	ml	10 0	ISO 6247
Air Release at 50°C	min	7.2	ISO 9120
Water Separation*	min	13	ISO 6614

* also known as demulsification



FIRE RESISTANCE PROPERTY	UNIT	TYPICAL VALUE	TEST METHOD
Flash Point (open cup)	°C	262.2	ASTM D92
Fire Point (open cup)	°C	>350	ASTM D92
Auto-ignition Temperature	°C	600	DIN 51794

LUBRICATION PERFORMANCE PROPERTY	UNIT	TYPICAL VALUE	TEST METHOD
Vickers Vane Pump Test ring weight loss vane weight loss total weight loss	mg	2.3 0.6 2.8	ISO 20763
4-Ball Wear Test wear scar diameter	mm	0.54	ASTM D4172
FZG gear test failure load stage specific weight loss	mg/kWh	8 0.24	DIN 51354 part 2

STABILITY PROPERTY	UNIT	TYPICAL VALUE	TEST METHOD
Oxidative Stability			
Method A Acid Value Change Metal Weight Changes iron copper	mg·KOH/g mg	0.09 0.2 -1.2	DIN EN 14832
Method B Viscosity Change at 40°C Acid Value Change	% mg·KOH/g	3.2 0.12	FTM 791-5308.7
Method C Time to 175 kPa Pressure Drop	min	192	ASTM D2272
Hydrolytic Stability			
Method A Acid Value Change in fluid in water	mg·KOH/g	0.92 1.14	DIN EN 14833
Method B Acid Value Change in fluid in water copper weight change	mg·KOH/g mg/cm ²	0.08 5.49 0.59	ASTM D2619



SAFETY & HANDLING

In accordance with safe industrial practice, gloves, safety glasses and an apron should be worn when handling Reolube Turbofluids, and spillages should be dealt with immediately. If allowed to overheat, breathing the fumes should be avoided.

For more extensive information on the safe handling and use of this product, see the Safety Data Sheet.

SHIPPING INFORMATION

REOLUBE® TURBOFLUID 32B GT is available in 230kg drums. Contact your CHEMTURA® product sales representative as products may be available in additional container sizes.



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