BOREAS G300

ORGANIC ACID TECHNOLOGY

PRODUCT DESCRIPTION:
BOREAS G300 is a long-life antifreeze coolant concentrate formulated with mono ethylene glycol, designed for heavy-duty applications, passenger cars, and stationary combustion engines. Free from nitrites, amines, silicates, and phosphates, it utilizes highly efficient Organic Acid Technology (OAT) to deliver superior performance. BOREAS G300 protects highly loaded engines from frost, overheating, corrosion, and cavitation, while safeguarding the entire cooling system, including metals commonly found in engine components, especially aluminum. It meets VW coolant specification VW TL 774-D/F (G12, G12+) and offers a service life of up to 7 years or 450,000 kilometers.

APPLICATION:
BOREAS G300 must be diluted with water before filling into cooling system. We recommend distilled water for this. Depending on water hardness and quality (hardness not greater than 3.6 mmol/l), dilution with tap water is also possible. BOREAS G300 should be blended with water in a concentration amongst 33% to 60% by volume prior to infilling. The usage of a 50/50 ratio for the mixture of water and BOREAS G300 is generally advisable.

Analysis values of the water may not exceed the following threshold values:
- Water hardness: 0 – 3.6 mmol/l
- Chloride content: max. 100 ppm
- Sulfate content: max. 100 ppm

FEATURES & BENEFITS:
- Perfect for engines, cylinder heads and radiators made from aluminum
- Contains no amines, nitrites, phosphates or silicates
- Universal usability (passenger cars, truck and stationary engines)
- Anti-cavitation, preventing foam and the retention of air, ensuring the good performance of the pump.
- Prevents the build-up of deposits, keeping the cooling system clean.
- Long life service product

ABOREAS G300 FULFILLS THE FOLLOWING COOLANT STANDARDS:
AS 2108-2004, ASTM D 3306, ASTM D 4985, BS6580:2010, CUNA NC 956-16, AFNOR NFR 15-601, JIS K 2234:2206, PN-C 40007:2000, SAE J1034, ÖNORM V 5123, SANS 1251:2005 and China GB 29743-2013.

PERFORMANCE LEVELS / MEETS OR EXCEEDS:
- Audi TL 774-D/F
- Bentley TL 774-D/F
- DAF MAT 74002
- Deutz DQC CB-14
- Ferrari (> 2010)
- Lamborghini TL 774-D/F
- MAN 324 SNF
- MB 325.3
- MB 326.3 (Ready Mix)
- Mini LC-07
- MTU MTL 5048
- Porsche TL 774-D/F
- Seat TL 774-D/
- MB 326.3 (Ready Mix
- Skoda TL 774-D/F
- Volkswagen VW TL 774-D/F
- TOYOTA TSK 2601G-8A
- GM 6277M
- PSA B71 5110
- FORD WSS-M97B44-D

TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	BOREAS G300	
			BOREAS G300 Concentrate	BOREAS G300 (50% Ready Mix)
pH	D1278	cSt	8.5	8.3
Freezing Point	D1177	°C	N/A	-37
Boiling Point	D1120	cSt	170	108
Density at 15.5C	D4052	g/cm3	TBR	TBR

DISCLAIMER: The test data provided above is for reference purposes and is not a strict specification, as variations within acceptable production tolerances may occur. Phoenix reserves the right to update or revise this test data. For the most accurate and up-to-date information, please consult the latest version of this Technical Data Sheet (TDS).

HEALTH & SAFETY, ENVIRONMENT:
Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further Information on Safety Guidelines please refer to MSDS available on our website Phoenixlubricants.com