AQUENT G12++

SOAT – SILICATED ORGANIC ACID TECHNOLOGY

PRODUCT DESCRIPTION:
AQUENT G12++ is an ethylene glycol-based antifreeze and coolant concentrate that utilizes a technically advanced Si-OAT (Organic Acid Technology) inhibitor system. It is free from phosphate, amine, borate, and nitrite. The long-life inhibitor formulation effectively prevents rust, corrosion, cavitation, and degradation of the cooling system. AQUENT G12++ meets the latest VW coolant specification VW TL 774-G (G12++) and offers an extended service life of up to 8 years or 500,000 km.

APPLICATION:
AQUENT G12++ is designed for use in engines made of cast iron, aluminum, or a combination of both, as well as cooling systems with aluminum and/or copper alloys. It is especially suitable for all-alloy engines requiring specialized aluminum protection at higher temperatures. It is recommended for use in passenger cars, commercial vehicles, buses, agricultural machines, stationary engines, and other devices requiring a radiator antifreeze of this quality. To use, fill the cooling system with AQUENT G12++ and water according to the desired mixing ratio, ideally using distilled water. Depending on water hardness (not exceeding 3.6 mmol/l), tap water can be used for dilution. For optimal performance, a 50/50 mixture of AQUENT G12++ and water is generally recommended, with a dilution range of 33% to 60% by volume.

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:

- Outstanding corrosion protection
- Contains no amines, borates, nitrites or phosphates
- Protects against overheating
- 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

AQUENT G12++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-G
- Bentley TL 774-G
- Bugatti TL 774-G
- GM 6277M
- Cummins CES 14603
- Deutz DQC CC-14
- Ducati (TL 774-G)
- Lamborghini TL 774-G
- MAN 324 Typ Si-OAT
- MB 325.6, 326.6, 325.5, 326.5
- MTU MTL 5048
- Porsche TL 774-G
- Seat TL 774-G
- Skoda TL 774-G
- VW TL 774-G
- FORD WSS-M97B44-D

TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	AQUENT G12++	
			AQUENT G12++Concentrate	AQUENT G12++(50% Ready Mix)
pH	D1278	cSt	8.5	8.3
Freezing Point	D1177	°C	-37	N/A
Boiling Point	D1120	cSt	182	108
Density at 15.5C	D4052	g/cm3	1.120	TBR

DISCLAIMER: The test data presented above is for reference only and not a specification. It may vary within acceptable production tolerances. Alpha reserves the right to update this data, with the latest version of the Technical Data Sheet (TDS) taking precedence over previous versions.

HEALTH & SAFETY, ENVIRONMENT:
Extended and repeated exposure to oil may lead to skin issues. Avoid contact. If contact occurs, wash immediately with soap and water. Do not dispose of used oil in drains or the environment. Instead, take it to an authorized oil collection facility. For more safety information, please refer to the MSDS available on our website: www.alphaoil.ae

HEALTH & SAFETY:
When used correctly in the recommended application and with proper personal hygiene, this product is unlikely to pose significant health or safety risks. For detailed safety information, refer to the Safety Data Sheet (SDS), available upon request from your local sales office or online. www.alphaoil.ae

PROTECT THE ENVIRONMENT:
Dispose of used oil at an authorized collection point. Follow local regulations and avoid releasing it into drains, soil, or water.

STORAGE:
We recommend storing all packages under cover. If outdoor storage is necessary, drums should be placed horizontally to prevent water ingress and protect drum markings. Products should not be stored above 60°C or exposed to direct sunlight or freezing conditions.