

Viva Energy Low Glycol 10/90 Coolant



Description

Viva Energy Low Glycol 10/90 Coolant is a ready to use coolant based on OAT, Carboxylic Acid Technology. This product is free of silicates, phosphates, borates, nitrates, nitrites and amines.

Performance Features

- Based on OAT, Carboxylic Acid Technology
- Compatible with other long life organic acid technology (OAT) based engine coolants free of silicate. For best performance it is recommended to flush the old coolant and replace entirely with Viva Energy Low 10/90 Coolant
- The main corrosion inhibitors in this product have shown little or no depletion from original levels during extensive laboratory and fleet testing.
- Provides protection for 5 years or 1,000,000km, whichever comes first in automotive applications
- Extended shelf life stability (2 years). No possibility of silicate drop-out or gel formation
- Phosphate free

Applications

Viva Energy Low Glycol 10/90 Coolant is suitable for passenger cars, 4WDs and light duty vehicles made in Australia, Japan, Europe, Korea and North America.

Health, Safety and Environment

Viva Energy Low Glycol 10/90 Coolant is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained. Avoid contact with skin. Use impervious gloves with used coolant. After skin contact, wash immediately with soap and water. Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from the Viva Energy Technical Help Desk.

Protect the Environment: Take used coolant to an authorised collection point. Do not discharge into drains, soil or water.

Product Usage Recommendations: This product is already pre-diluted and does not need any further addition of water. Adding too much water to the coolant system without sufficient corrosion inhibitor will create corrosion performance issues in any engine coolant system. This product is to be applied directly into cooling systems.

Shelf Life: When stored under cover – away from moisture and direct sunlight – this product should be suitable for use for up to two years after manufacture.

Specifications / Approvals

Viva Energy Low Glycol 10/90 is suitable where the performance requirements of the following engine coolant specifications are required:

OEM/Agency	Specification
ASTM	D-3306 / D-4985
AS	2108-2004 for Type B Coolants
JIS	2234
SAE	J1034 / J1941
GM – DEXCOOLTM**	GM 6277M (Sections 4.1 - 4.13)
Ford	WSS-M97B44-D (Sections 3.1 – 3.4)
Renault	Type D
VW	TL 774 D
Nissan	NES 5059 LLC
Peugeot	B71 5110

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For further information regarding equipment approvals and recommendations contact the Viva Energy Technical Help Desk.

Typical Physical Characteristics

Coupon	ASTM D 1384-94		ASTM D 2570-94	
	Glassware Corrosion		Simulated Service	
Type	Test Results ¹	Max. Spec. ¹	Test Results ^{1,2}	Max. Spec. ¹
Copper	1.2	10	1.2	20
Solder	+0.1	30	4.2	60
Brass	0.3	10	0.9	20
Steel	+0.6	10	0.3	20
Cast Iron	1.9	10	0.4	20
Aluminium	+0.4	30	1.8	60

¹ Weight Loss/Coupon (mg)

² Aluminium radiator results

ASTM Test Procedure	Test Results ¹	Specification
D4340-89 Heat Rejecting Aluminium Corrosion	0.3 mg/cm ² /week	1.0 maximum
D2809 Aluminium Water Pump Cavitation-Erosion Corrosion (rating from 1 to 10)	9	8 minimum

¹ Weight loss per coupon in milligrams (average for 3 tests)

Technical Data Sheet

Test	Performance	Test Method
pH	7.5 - 9.5	ASTM D 1287
Specific Gravity (15°C)	1.01 – 1.03	ASTM D 1122
Freeze Point	-5°C Max	ASTM D 1177
Foaming Properties – Volume (mL)	50 max.	ASTM D 1881
Foaming Properties – Break time (sec.)	5 max.	ASTM D 1881
Ash Content (% w/w)	2.5 max.	ASTM D 1119
Colour	Green	
Shelf life	2 years	
Total Glycols (% w/w)	10.0 min.	
Chloride (ppm)	25 max.	ASTM D 3634
Silicon (ppm)	<10	ICP
Boron (ppm)	<10	ICP
Phosphorous (ppm)	<10	ICP

Notice: Because use conditions and applicable laws may differ from one location to another and may change with time, customer is responsible for determining whether products and the information in this document is appropriate for customer's use and for ensuring that customer's workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Viva Energy warranty is limited to the claims of product meeting stated specifications. It is the responsibility of the end user to determine product suitability as recommended in the Owner's Manual and to follow engine manufacturer's instructions.

These characteristics are typical of current production. Whilst future production will conform to Viva Energy's specification, variations in these characteristics may occur.

Technical Help Desk

Phone

1300 134 205

Email

technicalhelpdesk@vivaenergy.com.au