



Quality, service, and customer satisfaction is our driving force.



## AFRIQ SUPER LONGLIFE PREMIX COOLANT

### DESCRIPTION

**Afriq Super Longlife Premix Coolant** is a premium performance, environmentally sensitive pre-diluted coolant, anti-freeze and corrosion inhibitor, based on extended life organic acid Carboxylate Technology plus an additional nitrite corrosion inhibitor in ethylene glycol. Provides long term protection of the cooling systems of heavy and light duty diesel engines and also gasoline engines. Specifically designed for use where the engine manufacturer requires nitrite inhibited product (eg Caterpillar).

### RECOMMENDED FOR

- High temperature aluminium engine blocks.
- Passenger car gasoline and diesel engines.
- Light duty commercial vehicle gasoline and diesel engines.
- Heavy duty diesel engines fitted with “wet” or “dry” liners, in both on and off highway service.

### Recommended maximum service intervals are:

- |   |                         |
|---|-------------------------|
| ▪ Passenger car & light truck commercial vehicles | 250,000 km or 5 years   |
| ▪ Heavy duty diesel, on-road                      | 800 000 km or 8 years   |
| ▪ Heavy duty diesel, off-road                     | 15,000 hours or 8 years |

### CHANGEOVER PROCEDURE

Check that the cooling system is clean in good condition. Carry out any repairs that are necessary. Drain the cooling system including radiator, engine clock, heater core, oil coolers and after cooler, remove drain plugs and hoses as necessary to achieve this.

Flush the system using the manufacturer’s instructions, if none are available follow the procedure below.

- Close all drains, reconnect hoses, fill with clean soft water, run the engine to operating temperature with the heater on.
- Shut down; allow to cool, drain the system again. Repeat this until the cooling system is clean and free from contaminants, previous coolant and any rust or scale.
- If a filter is present replace it with a new filter that does not contain Supplemental Coolant Additives.

### PERFORMANCE CHARACTERISTICS

**Afriq Super Longlife Premix Coolant** meets and or exceeds the requirements of most European and International Standards including:

- ASTM D3306
- ASTM D4985



- SAE J 1034
- BS 6580 (1992)
- AFNOR NF R15-601\*
- FFV HEFT R443
- CUNA NC 956-16
- UNE 26361-88
- JIS K 2234\*
- NATO S 759

It also meets the performance requirements of the following OEM specifications:

- CHRYSLER MS 9176
- CUMMINS 85T8-2 & 90T8-4
- FORD ESE M97 B49-A, WSS-M97 B44-D & ESD M97 B49-A
- GM 1899 M, US 6277 M & OPEL GM QL 130100
- JOHN DEERE H 24 B1 & C1
- LEYLAND TRUCKS LTS 22 AF 10
- MACK 014GS 17004
- MAN 248, 324 (SNF) & B&W D 36 5600
- MERCEDES MB 325.3
- RENAULT 41-01-001
- VAG TL 774F
- VOLVO

## **BENEFITS**

### **Saves time and money:**

One coolant does it all. Very low depletion rate and complete cooling system protection of the organic acid inhibitor removes the need for supplementary additives for cavitation erosion protection, and reduces the need to regularly test inhibitor level and add extra additive to maintain the inhibitor concentration.

### **Reduced maintenance costs:**

Unique Carboxylate Technology inhibitor system prevents wet liner cavitation erosion and provides exceptional protection to aluminium surfaces under heat transfer conditions. Fewer abrasive dissolved solids means fewer water pump seal failures.

### **Extended service life:**

Very low depletion rate of the organic acid inhibitor ensures long term corrosion protection under all operating conditions.

### **Complete cooling system protection:**

Unique Carboxylate Technology inhibitor system provides corrosion protection for all engine and cooling system metals, including aluminium. Iron, steel, copper and solder alloys. Selective



corrosion protection (only where it is needed) allows the remaining surfaces to be free of inhibitor film for unrestricted heat transfer.

### KEY PROPERTIES

COLOUR	RED/ PINK
FREEZING POINT, ° C	-36.5
NITRATE, AMINE, PHOSPHATE, BORATE CONTENT	NIL
SILICATE CONTENT, AS Na <sub>2</sub> SiO <sub>3</sub> , %m	NIL
pH, UNDILUTED	8.3

### SERVICE CONSIDERATIONS

**Afriq Super Longlife Premix Coolant** is recommended for optimum year round protection. In-service top up should be carried out with **Afriq Super Longlife Premix Coolant**.

The use of **Afriq Super Longlife Premix Coolant** will minimise scale deposits, as de-mineralised water is used in its manufacture. When changing to **Afriq Super Longlife Premix Coolant**, thorough flushing of the cooling system is recommended. Chemical cleaning of the cooling system may be necessary where coolants incorporating hard water have been used.

Traditional phosphate and borate containing coolants exhibit higher pH and reserve alkalinity than the new organic acid based Carboxylate Technology. However, this difference bears no relationship to corrosion control potential. In comparison with conventional coolants, the different inhibitor mechanism of **Afriq Super Longlife Premix Coolant** means reserve alkalinity is of no relevance, and it is able to afford corrosion protection to aluminium and other system metals at much lower pH levels.

### ENVIRONMENT, HEALTH AND SAFETY

Users should consult the MSDS, follow the precautions outlined and comply with all laws and regulations concerning its use and disposal. Used packaging material should not be incinerated or exposed to flame. After use, protect your environment. Do not pollute drains, soil or water with used product.