

Shell Premium Antifreeze Longlife 774 D-F ready to use

Formulation code: CRX512p

Description & Advantages

Shell Premium Antifreeze Longlife 774 D-F are nitrite-, amine-, phosphate free (NAP free) and silicate-, borate- free engine coolants based on Mono Ethylene Glycol (MEG). It is high-performance Long-Life OAT extremely stable formulation. Product is ready to use.

In all modern engines of car, truck and bus Shell Premium Antifreeze Longlife 774 D-F gives outstanding protection against frost, corrosion, and overheating. It effectively protects against corrosion in the cooling system in engines of both ferrous and aluminium construction. It gives high degree of corrosion protection of vital parts, the coolant channels in block and cylinder head, radiator, water pump and heater.

Because of used technology Shell Premium Antifreeze Longlife 774 D-F remains effective over a long period of time. During extensive fleet testing has proven to provide protection for at least 250 000 km for passenger vehicles and up to 650 000 km for trucks, as well 32 000 hours of operation (6 years) in stationery engines. For coolant change intervals follow the vehicle manufacturer recommendations. Safe for all car parts it comes into contact with.

Shell Premium Antifreeze Longlife 774 D-F complies with plenty of the European and International quality standards: ASTM D3306/4656/4985/6210 (US), SAE J 1034 (US), BS 6580: 2010 (UK), AFNOR NF R15-601 (FR)¹, FVV Heft R443 (DE), KS M 2142 (KR), BT-PS-606 A (BE), DCSEA 615/C (FR), E/L-1415b (IT), FSD 8704¹ (SE), PN-C-40007 (PL), NATO S-759, Önorm V5123¹; SAE J1034¹; RP 364, UNE 26-361-88/1.

¹ - meets its specifications with the exception of reserve alkalinity.

Shell Premium Antifreeze Longlife 774 D-F meets OEM requirements as follows:

ADE – ADE

AGCO – Fendt, Vartla

AGCO – Massey Ferguson

Alstrom – Alstrom

Aston Martin – Aston Martin

BAIC Group – Foton

BYD Auto – BYD

CNH Industrial – Irisbus, Karosa

CNH Industrial – Iveco, Iveco bus, Iveco Astra

CNH Industrial – New Holland Agriculture, New Holland Construction

Caterpillar – MAK, MWM

Caterpillar – SEM (Shandong Engineering Machinery Co Ltd)

Claas – Claas

Cummins – Cummins

Daimler AG – Detroit

Daimler – Freightliner

Daimler – Mercedes Benz Trucks, Evobus

Deutz AG – Deutz

Dongfeng Motor – Dongfeng Passenger Cars and Heavy Duty

FAW Jiefang – Jiefang

Ferrari – Ferrari (from 2005)

Ford – Ford

General Motors – Chevrolet, Pontiac, Buick, Cadillac, GMC

General Motors – Holden

General Motors – Saab

General Motors – Saturn
Great Wall Motors – Great Wall
Hitachi – Hitachi
Ingersoll Rand – Thermo King
Innio – Jenbacher, Waukesha
Isuzu – Isuzu
John Deere – John Deere
Kobelco – Kobelco
Komatsu – Komatsu
Liebherr – Liebherr
Mahle Group – Behr
Navistar – International Truck
Paccar – DAF, Leyland
Proton Holding Berhad – Proton, Lotus
Rolls Poyce Power Systems – Bergen Engines
Rolls Poyce Power Systems – MTU
SAIC Motor – MG, Maxus, Roewe
SGMW (SAIC-GM-WULING) – Baojun, Wuling
Stellantis – Alfa Romeo, Fiat, Lancia (from 2005)
Stellantis – Chrysler
Stellantis – Dodge, Abarth, Maserati
Stellantis – Jeep
Stellantis – Opel
Stellantis – Vauxhall
Suzuki – Santana Motors
Tata Motors – Jaguar, Land Rover
Tata Motors – Jaguar, Land Rover – e-vehicles
Tata Motors – Tata
Tedom – Tedom
Van Hool – Van Hool
Volvo AB – Mack, Renault Trucks
Volvo AB – Volvo Penta (from 05/2010)
Volvo AB – Volvo Bus (from 06/2009)
Volvo AB – UD Trucks
Volvo AB – Volvo Trucks, Volvo Construction Equipment (from 10/2005)
VW – Audi, Seat, Skoda, VW (1996 – 2008)
VW – Bentley, Bugatti, Lamborghini, Porsche (1996 – 2008)
VW – MAN
VW – MAN B&W
VW – Scania (till 02/2008)
Wärtsilä – SACM, Wärtsilä
Yanmar – Yanmar
ZF AG – ZF

Usage

Shell Premium Antifreeze Longlife 774 D-F ready to use is diluted with water in volume ratio of 1:1. Product is ready to use.

To ensure maximum protection of the cooling system is recommended to completely drain the system, rinsed, then filled with liquid Shell Premium Antifreeze Longlife 774 D-F ready to use. Start the engine and warm it with the heater turned on, then fill to the end with the prepared mixture. Always follow the advice of your vehicle manufacturer.

Shell Premium Antifreeze Longlife 774 D-F can be mixed with similar technology engine coolants based on Mono Ethylene Glycol (MEG) however, it is always recommended to follow the car manufacturer's instructions and in long run, replace the mixture fluid on the homogeneous coolant. Particular advantages of cooling fluid such as better protection for aluminum radiators and longer drain intervals can only be achieved with pure Shell Premium Antifreeze Longlife 774 D-F.

Properties

Chemical nature	Mono Ethylene Glycol with inhibitors	
Physical state	Clear liquid	
Colour	Red	
Properties (below are typical values):		
Density at 20°C (kg/m ³)	1.068	ASTM D5931
pH value	8.6	ASTM D1287
Freezing point	< -37°C	ASTM D1177
Freezing protection	-40°C	
Reserve alkalinity (pH 5.5, ml)	3.0 ml	ASTM D1121
Refractive index, at 20°C	1.385	ASTM D1218
Boiling point	110°C	ASTM D1120
Miscibility with water	soluble in all proportions	

Stability & Storage

Shell Premium Antifreeze Longlife 774 D-F is stable for at least 8 years if stored in air-tight containers at maximum temperature of 30°C in dry and well-ventilated place. Keep container tightly closed. Galvanised steel is not recommended for any storage tanks or pipes.

Safety

Product is classified as hazardous according to EC CLP regulations. For details, see Safety Data Sheet. A safety data sheet compliant with applicable regulations is available. No UN number.

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The information contained in this specification is based on the present state of our best knowledge and experience. Taking into account the diversity of factors that may affect the product during its use, these data do not relieve users of responsibility for carrying out their own tests and experiments; not also mean any legally binding assurances, or suitability for a particular purpose. The responsibility lies with the users of our product that all property rights and legal provisions are respected.