



Better engine oils
Power to protect. Power to perform.



TOP ANTIFREEZE 64 GREEN

TOP ANTIFREEZE 64 GREEN is a monoethylene glycol based antifreeze and is specifically designed for the demands of modern engine systems. Downsized, high power engines that minimise emissions place greater heat demands upon the antifreeze system. Using an additive package with greater thermal stability, provides excellent protection to metals within the antifreeze system, especially aluminium. It uses a silicate-phosphate organic additive technology and is free of borates, amines and nitrites.

BENEFITS:

- Is recommended where a Silicated-Phosphated Organic Additive Technology product is required which includes Volvo cars and numerous off-highway applications.
- Is an extended life antifreeze which should be replaced every five years or every 250,000 km for passenger vehicles or every 1,000,000 km for trucks and commercial vehicles. Original Equipment Manufacturers' recommendations should be followed when changing out antifreeze systems.

Exceeds the following performance requirements:

- ASTM D3306,
- ASTM D4656,
- BS 6580: 2010,
- SAE J 1034
- Is recommended for service fill in the following applications or where these OEM genuine fluids were originally required:
- Deutz DQC CC-14,
- VW TL 774-L, (G12 Evo)
- **Glysantin® G64,**
- **Glysantin® G65,**
- Volvo Special antifreeze (Green) TR-31854114-002
- BMW LC-18
- SP OAT



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Formulated to be able to cope with all water qualities and is compatible with hard water, however use of deionised or demineralised water is recommended.

Recommended Dilutions:

Concentration (By Volume)	25%	33%	40%	50%	60%
Specific Gravity @ 20 °C	1.030	1.045	1.060	1.074	1.087
Freeze Protection (°C)	-10	-20	-25	-38	-54
Average of Freezing Point and Pour Point					

TYPICAL ANALYSIS:

Appearance	Green liquid
Water Content (% w/w)	2.9
Density at 20°C (kg/l)	1.132
Reflux Boiling Point (°C)	172
pH (50% v/v in Deionised Water)	7.9
Reserve Alkalinity (ml 0.1N HCl)	11