



SHELL HD COOLANT
ENERGISED PROTECTION



SHELL HD PREMIUM ANTIFREEZE/COOLANT

• NAP-FREE PREMIUM HYBRID OAT FOR HEAVY DUTY DIESEL ENGINES

PROVEN PROTECTION

Shell HD Premium Antifreeze/Coolant is a fully formulated hybrid, extended-life, heavy duty, ethylene glycol antifreeze/coolant providing effective heat transfer and all-climate, year-round performance for heavy duty applications. It contains a combination of organic additive technology (OAT) and inorganic corrosion inhibitors and is low-silicate, nitrite-free, amine-free, and phosphate-free (NAP-free) to provide Energised Protection of cooling-system parts.

Shell HD Antifreeze/Coolants have improved heat transfer properties that:

- Protect against freeze and boil over
- Protect against all forms of corrosion
- Protect against oxidation
- Protect against scaling
- Protect against foaming
- Improve oxidation stability

TRIPLE PLC BENEFITS

- **Protection:** Organic and inorganic chemical inhibitors for outstanding corrosion protection for all cooling-system parts, and provides pitting protection for cylinder liners
- **Long Life:** Provides up to 6,000 hours or 480,000 km of service in heavy duty applications under normal operating conditions.
- **Compatible:** Compatible with other coolants, hoses, elastomer and seals; however, for best results, it is recommended to not dilute with other coolants. It is also compatible with standard heavy duty SCAs, coolant filters, and hard water.

SPECIFICATIONS AND APPROVALS

Shell HD Premium Antifreeze/Coolant is recommended against the following specifications in on-road and off-road farm, mining and construction equipment.

SUITABLE FOR USE IN THE FOLLOWING APPLICATIONS:

ASTM D3306, D4985. AS/NZS 2108.1: 1997 "Type A." MAN 324. Mercedes-Benz DBL 7700. MTU MTL 5048. SAE J1034, J1941. Scania TB 1451.



DESIGNED TO MEET CHALLENGES



SHELL HD PREMIUM A/C – APPLICATION GUIDE



Shell HD Premium Antifreeze/Coolant is recommended for use in the cooling systems of on-road vehicles and in farming, mining and construction off-road equipment.

DIRECTION FOR USE

For best results before installing Shell HD Premium Antifreeze/Coolant, drain the cooling system completely. Flush thoroughly and inspect the cooling system to be sure it is clean, watertight and in good working condition. Add Shell HD Premium Antifreeze/Coolant Concentrate with demineralised or deionized water as shown in the protection chart to achieve the desired level of freeze and boil-over protection.

ALL-CLIMATE YEAR-ROUND PROTECTION CHART

Volume % Shell HD Antifreeze/Coolant concentrate	Volume % Water	Against Freezing*	Against Boil-over*
60%	40%	-52°C	132°C
50%	50%	-37°C	129°C
40%	60%	-24°C	107°C

Shell HD Antifreeze/Coolant ready to use (non concentrate)	Against Freezing*	Against Boil-over*
As sold	-37°C	129°C

*Using a 103.4 kPa pressure cap

OUR COMPLEMENTARY RANGE

In addition to the full range of Shell HD Antifreeze/Coolants, Shell Lubricants also offers a complete portfolio of lubricants for every part of your equipment, including Shell Rimula heavy duty engine oils, Shell Spirax gear and axle oils, Shell Donax transmission fluids and Shell Retinax greases.

HEALTH SAFETY AND ENVIRONMENT

Warnings: Contains ethylene glycol/diethylene glycol. Harmful or fatal if swallowed. May cause CNS depression. DO NOT take internally. If swallowed, IMMEDIATELY contact a poison control centre, emergency treatment centre or physician. Wash thoroughly after handling. Do not store in open or unlabeled containers. Dispose of used product properly. KEEP OUT OF REACH OF CHILDREN AND ANIMALS.

Harmful or fatal if swallowed, contains bitterant to aid in the prevention of swallowing.

Protect the Environment

Take used coolant to an authorized collection point. Do not discharge into drains, soil or water.



For more information contact your local Shell representative or visit www.Shell.com.