Technical Data Sheet

Shell **Coolant Extra HD Ready to Use**

Organic Additive Technology Coolant

Shell Coolant Extra HD Ready to Use is a water based engine coolant already pre-mixed and ready to use. It contains corrosion inhibitors to protect engine parts normally found in cooling systems of gasoline, diesel, and gas engines. It is suitable for light duty automotive as well as heavy duty applications where water based coolants are specified or used.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Compatibility**

  Shell Coolant Extra HD Ready to Use is miscible and compatible with other similarly formulated water based coolants. It is also compatible with standard heavy duty SCAs and coolant filters.

- **Free from silicates, phosphates, borates, nitrites and amines**

  No possibility for silicate gelation and related fallout issues.

- **Environmentally friendly**

  Product contains no glycol and the organic components are readily biodegradable.

Main Applications

- Shell Coolant Extra HD Ready to Use is suitable for light duty automotive as well heavy duty gasoline, diesel and gas engines found in on-road, off-road, marine and stationary engines where a water-based coolant is either specified or used.

Specifications, Approvals & Recommendations

Shell Coolant Extra HD Ready to Use is suitable for use with the following engine coolant corrosion protection performances:

- ASTM D3306, ASTM D6210
- AS/ NZS 2108:2004 Type B
- BS 6580
- Caterpillar Stationary Engines
- JIS K 2234
- MAN 324 SNF
- MTU MTL 5049
- GM 6277M/GMW 3420
- Ford WSS-M97B44-D
- MWM 0199-99-2091/12
- Jenbacher TA 1000-0201
- Wartsila Stationary Engines

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

Typical Physical Characteristics

Properties			Method	Shell Coolant Extra HD Ready to Use
Colour			Visual	Blue
pH			ASTM D1287	7.5 - 9.5
Density	@20°C	kg/m³	ASTM D4052	1 010
Reserve Alkalinity		minimum	ASTM D1121	1.5
Freeze Point	As sold	°C	ASTM D1177	0

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

Health, Safety & Environment

- **Health and Safety**

  This product 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.

- **Protect the Environment**

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