

Callington



ROXDIESEL ANTIFREEZE



Cold flow diesel additive that reduces pour point & cold filter plugging point.

SPECIALTY CHEMICAL MANUFACTURERS FOR AVIATION AND INDUSTRY

ROXDIESEL ANTIFREEZE



Cold Flow Improver

- ✔ Significantly lowers pour point and extends the temperature range over which a vessel can operate (Cold Filter Plugging Point).
- ✔ Developed in conjunction with the Australian Oil Refinery and used for over 30 years, throughout the cold regions of Australia on both land and sea.
- ✔ Suitable for all diesel fuelled marine transports running on distillate marine fuels.
- ✔ Its long life makes it the perfect partner for fuel tanks situated in cold remote and isolated locations.
- ✔ Promotes a cleaner and more efficient combustion.
- ✔ First Australian company to develop an additive to improve cold flow.
- ✔ Roxdiesel Antifreeze is available globally.

TEST REPORTS	Cloud Point (ASTM D2500)	CFPP (IP309)	Pour Point (ASTM D97)
Winter Diesel (Untreated)	-1°C	-2°C	-9°C
Winter Diesel + Rox 1:1000	-1°C	-4°C	< -27°C
Winter Diesel + Rox 1:500	-1°C	-8°C	< -27°C

Issue

When diesel fuels are operating in temperatures below their **Cloud Point (CP)** paraffinic wax crystals form within the fuel. These wax crystals will continue to form and when temperature drops below the **Cold Filter Plugging Point (CFPP)** the fuel will no longer pass through the filter. These wax crystals will continue to join and form an interlocking crystal structure until they reach the **Pour Point (PP)**. This is the temperature when the fuel solidifies and stops flowing through the fuel filter and fuel lines.



Solution

Callington Roxdiesel modifies the size and shape of the wax crystals which extends the **CFPP** and **PP** temperature ranges. This will delay fuel line and filter blockages and in doing so, keep engines running.

FUEL TYPE (Grade)	Sample 1 Pour Point (ASTM D97)	Sample 2 Pour Point (ASTM D97)
MGO (DMA)	+12°C	+6°C
MGO (DMA) + Roxdiesel 1:500	<-18°C	<-18°C

BioDiesels

Roxdiesel Antifreeze is still required for biodiesel blends. With each type of biofuel used for blends, fuel handling problems will occur and the Roxdiesel formula can be modified to suit each situation. Please contact Callington for assistance.

Dosage Instructions

- **IMPORTANT:** Roxdiesel Antifreeze MUST be added to the fuel when the temperature of the fuel is above its CP.
- Add with turbulence if possible for even dispersion. Best method is to add fuel to Roxdiesel, not Roxdiesel to fuel.
- Refer to Technical Data Sheet for more detailed dosage instructions.

Available in 20, 200 and 1000 litre containers.



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