

Chornco 2083 Diesel Fuels Cold Flow Additive is a multifunction hydrocarbon derived product designed to provide a package of fuel consumption, low temperature performance, emissions reduction, and maintenance cost saving benefits.

This 100% compatible petroleum product is non-toxic, non-hazardous, and entirely safe for use with engines and emissions control devices. The product does not contain aromatic solvents or other wear precursor additives. It is specifically designed for fuels working in extreme low temperature environments. It is ash-less and metal free.

2083 treated fuels clean, maintain, and lubricate engine fuel systems. Combustion of fuel is more complete, improving efficient energy output while providing substantial reduction in harmful exhaust gas emissions. Life cycles of engine components are extended. Vibration and noise is reduced. Microbial and fungus contamination is eliminated. Fuel stratification is mitigated.

Internationally recognized laboratory testing and performance results of Chornco #2083 have verified:

- Significant reduction in fuel consumption.
- Cold Filter Plugging Point (CFPP) down to -22°C
- Substantial reduction in exhaust gas emissions and particulates.
- Improved fuel lubricity in hydro-desulphurised fuels (ULSD).
- Demulsification of water and inorganic fuel contaminants.
- Increased power and performance.
- Improved ignition quality.
- Improved thermal and oxidative stability of fuels in storage.
- Non-toxic, continuous microbial contamination control.
- Enhanced cleaning properties with significant reduction in fuel system carbon deposits.
- Improved Anticorrosion properties

Application Protocols are recommended after Chornco has assessed a customer's equipment and fuelling systems.

Options for **Chornco 2083** application systems range from manual to fully automatic. They are designed to provide easy use, optimal performance, and maximum overall customer benefit.

#2083 Treatment Rates:

A. Optimum dosing rate:

- 1 ounce of #2083 treats 1 gallon of fuel
- 1 litre of #2083 treats 1280 litres of fuel
- 1 gallon of #2083 treats 1280 gallons of fuel
- 1 tonne of #2083 treats 1280 Tonnes of fuel

B. Clean-up dosing rate:

- In older dirty systems, doubling of the treatment ratio will speed up the system clean up.
- 2 ounces of #2083 treats 10 gallons of fuel
- 2 litres of #2083 treats 1280 litres of fuel
- 2 gallons of #2083 treats 1280 gallons of fuel
- 2 tonnes of #2083 treats 1280 tonnes of fuel

Notes: Clean-up Phase

For a brief period during the "clean-up" phase in old and dirty equipment, blockage of the fuel filter along with a temporary increase in exhaust emissions and reduction in fuel economy may occur. Filters should be monitored, replaced or cleaned, as necessary. Initially, it may be necessary to clean or replace fuel filters at more frequent intervals.

Bulk storage tanks should be drained of water. Where possible, other residues, sludge etc., should be removed prior to filling with 2082 treated fuel.

Health and Safety:

The health and safety of people who handle and use Chornco products is very important to us. Chornco products are generally regarded as safe. However, as with all petroleum products, excessive and prolonged skin contact may cause irritation. Therefore, good personal hygiene practices are recommended. Wash thoroughly with soap and water if contact with product occurs.

Read the "Material Safety Data Sheet" for each Chornco product to ensure employees/users fully understand how to safely use each product. For proper storage and handling of Chornco packaged products, please read the "Storage and Handling Handbook"