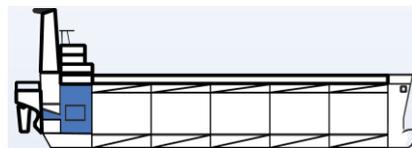


MAINTENANCE

PERMET



LOW-TOXICITY, NON-CORROSIVE CARBON DEPOSIT REMOVER

DESCRIPTION

PERMET is a powerful hydrocarbon solvent blend, specially designed to remove baked on and carbonized soils on pistons, piston rings, valves, valve cages, burner tips and other engine parts. **PERMET** does not contain any hazardous cresylic acid or chlorinated solvents and does not require a water layer to prevent vaporization.

APPLICATION

PERMET penetrates deposits and dissolves oil, grease, varnish and combustion products. Insoluble materials (carbon, soot, ash, dirt) are softened so they can easily be removed with a water rinse.

Cleans oil side of fuel and lube-oil heaters, oil coolers, etc.

Removes carbon-based deposits from fuel and lube oil filters.

USE AND DOSING

Soaking Method:

Place the parts in a pan or drum of suitable size with enough **PERMET** to cover them. Small parts may be put into a wire basket for easy removal and recovery. Allow to soak until deposits are completely dissolved or softened (usually 4 to 8 hours). Remove and rinse with water. Some small amounts of deposit that remain can be removed by light brushing. Dry with a cloth or compressed air.

- For heavy or persistent deposits, agitation will assist in the cleaning.
- For carbonized deposits, you may heat lightly, but **not above** 45°C (110°F). Allow parts to stand in the solution until the deposits are softened (up to 24 hours). Remove and rinse with a stream of water. Brush lightly if necessary. Dry with a cloth or compressed air.

Brushing Method:

For in-place cleaning of large, heavy pieces, **PERMET** can be applied with a brush. Continue brushing with **PERMET** until deposits are saturated, softened and removed. Sponge or spray with water to rinse, then dry with a cloth.

PRODUCT PROPERTIES

Compatible with all normally used metals and their alloys. Rubber/synthetic rubber may swell. General Instructions: Avoid spillage, splashing and mishandling. Precautionary measures for body protection are strongly recommended before and during use.

Appearance:	Liquid	pH:	N/A
Type:	Organic based	Pour Point:	< - 15°C

- ✓ Quickly dissolves deposits containing carbon, resins or varnishes
- ✓ Effectively removes carbon type deposits from burner tips, fuel injectors and all components fouled by carbon, resin or varnishes
- ✓ Cleans oil side of fuel and lube-oil heaters, oil coolers, etc.
- ✓ Simple cleaning process
- ✓ Helps against hard scraping
- ✓ Safer for the user
- ✓ Safer for the environment
- ✓ Non-corrosive to most metals

PROBLEMS SOLVED

- ✓ Carbon deposits
- ✓ Varnish
- ✓ Gummy matter
- ✓ Various cleaning tasks

APPLICATION AREAS

- ✓ Diesel engine pistons, rings, valves, valve cages, burner tips, fuel injectors, connecting rods
- ✓ Fuel and lube oil filters
- ✓ Oil cooler

PRODUCT CODE: MC 073