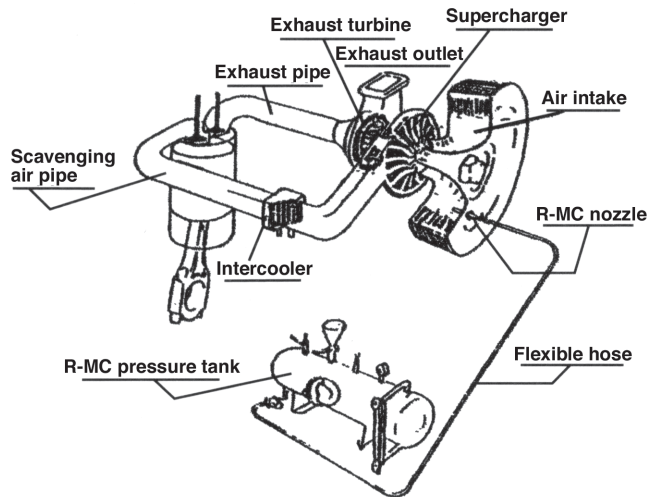


T-70 SYSTEM FOR DIESEL ENGINES

Delivering efficient compressor technology for more than 30 years

THE PROBLEM:

ECT's Engine Cleaning Systems for diesels combines **T-70** a water based, non-flammable, cleaning formulation, with an engineered injection system designed expressly for maintaining diesel engines and turbochargers at their peak efficiency.



THE SOLUTION:

- reducing engine wear
- improving fuel consumption
- permitting injection while running
- the System offers ease of use and installation
- reduced chance of scavenge fires
- longer life for engine components

The **ECT** System comprises either a one gallon pressure tank or a container and small electric pump, hosing and a single injection nozzle. The nozzle, located on the air intake manifold, is easily installed by one person in less than an hour. The cleaning formulation is supplied pre-mixed and ready-to-use and is injected without cutting back power or shutting down the engine. T-70 Cleaner is an aqueous, amine based formulation sprayed into the engine as a fine mist (approximately 500 micron SMD). The droplets migrate with the airflow and are deposited as a surface active layer on contaminated components. The wet liquid combines chemically with the surface contaminants which undergo a molecular change. The chemical action is accelerated by the thermal environment and the contaminants are gradually reduced to a fine white fly ash that is ejected with exhaust gases. The unique, amine-based formulation can remain in a wet state at temperatures approaching 350°F. For that reason, T-70 has a residence time vastly exceeding solvent-based products.

THE RESULTS:

- Scavenge spaces are cleaned, reducing risk of fire.
- Carbon deposits which constrain air flow are moved from exhaust ports.
- Soot is removed from uptake ducting, reducing risk of funnel sparking and choking of boiler tubes.
- Removal of soot reduces NOx and other emissions.
- Power output is increased.
- Fuel consumption is reduced.
- Greater reliability and reduced downtime costs.

The T-70 System has been used for more than 35 years on virtually every model of diesel engine, marine and ground, including:

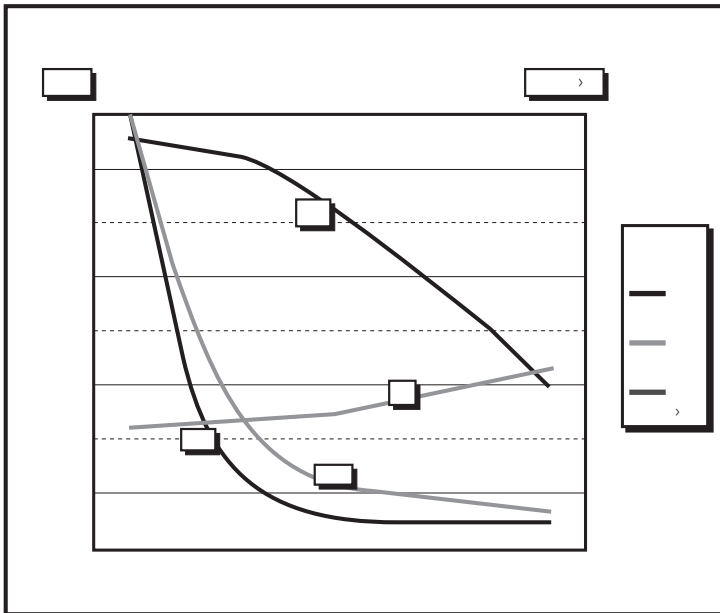
GMC
CATERPILLAR
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DOXFORD
SULZER
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1.21. A proprietary blend of surfactants, corrosion inhibitors and demineralized, demineralized water which is supplied in a pre-mixed, ready-to-use form. A tertiary amine-based surfactant, the Material Safety Data Sheet provides details respecting content, properties and precautions, but the following is a descriptive summary thereof:

Appearance:

Clear, homogenous liquid

Odor:

Mild, acceptable
pH: 6.5-7.5

Evaporative Temperature:

220°F.

Flash Point: Non-flammable

Toxicity: Non-Toxic

Decomposition:

99% biodegradable,
24 hours

Specific Conductance:

ms/m @ 36°F. 0.1-0.9

Color: Clear, amber

Specific Gravity: 1.002 (H₂O)

Heavy Metals:

Trace amounts Earth Alkali Metals:

Potassium: <0.25 ppm

Calcium: <0.25 ppm

