



CORROSION INHIBITING ADDITIVES



M-529/M-529 L/M-529 SC, Patented Oil Based Corrosion Inhibitors



- Compatible with most mineral and synthetic oils
- Suitable for both operating and intermittent use conditions
- Available in superconcentrate form (M-529 SC)

TYPICAL APPLICATION

For lubricating oil systems in intermittent operations, add M-529 to oil at a concentration of 2-5% by weight. Add M-529 SC at a concentration of 1.5-3.5% by weight. Add M-529 L at a concentration of 3-6% by weight.

METALS PROTECTED

- Carbon steel
- Stainless steel
- Galvanized steel
- Aluminum
- Brass
- Copper
- Cadmium
- Magnesium
- Silver
- Zinc
- Solder
- Tin
- Lead
- Bronze

PRODUCT DESCRIPTION

M-529 is an oil-based package of corrosion inhibitors for lubricating oils. M-529 provides excellent corrosion protection during operating conditions and intermittent operation.

M-529/M-529 L are very effective for mineral and synthetic based oils: naphthenic, iso-paraffinic, PAOs, etc.

M-529 L additionally contains an EP lubricity package and is recommended for lubricating oil when EP lubricity is needed, such as gears or transmissions.

FEATURES

- Corrosion protection for ferrous and non-ferrous metals
- Does not contain hazardous barium, chromates, nitrites, or phosphate-based inhibitors
- High flash point
- Low toxicity and thermally stable, providing long-lasting corrosion inhibition
- Passes through a 5 micron filter
- Provides protection in the presence of chlorides
- When added at recommended concentration to fluids, does not affect pour point and viscosity at low temperatures

PHYSICAL PROPERTIES

Appearance	Dark amber viscous liquid
<u>M-529</u> Density	7.6-7.7 lb/gal (0.91-0.92 kg/l)
<u>M-529 L</u> Density	7.6-7.7 lb/gal (0.91-0.92 kg/l)
<u>M-529 SC</u> Density NVC	8.0-8.2 lb/gal (0.96-0.98 kg/l) 94-98



PERFORMANCE PROPERTIES

M-529 is a unique oil additive which effectively prevents corrosion of engines during storage and at the same time decreases high-temperature oxidation and wear of metal in working engines. Carbon steel was tested in extreme humidity, with M-529 as an additive according to ASTM D-1748, corrosion resistance was provided for 480 hours.

Tested in Castrol Dieselall® SAE 10W30 and SAE 15W40 engine oils, M-529 dramatically improved protection of carbon steel and copper in a humid atmosphere (ASTM D 1748), and protected carbon steel according to the Ball Run Test in acidic conditions.

When tested in the Cummins High Temperature Corrosion Bench Test and Multimetal Cummins Bench Corrosion Test, M-529 caused no adverse affect on chemical and physical parameters of oil.

Field tests in a gasoline-powered V-8 engine confirmed that incorporating M-529 to engine oil reduces the wear of metals and preserves the oil from oxidation.

Exxon Mobil 320 SHS with 4.5% M-529 L passes Load Stage 12 when tested according to ASTM D 5182, Evaluating the Scuffing Load Capacity of Oils (FZG).

PACKAGING AND STORAGE

M-529 is available in 5 gallon (19 liter) plastic pails, 55 gallon (208 liter) metal drums, liquid totes, and bulk. M-529 should be sealed before storage. The shelf life is up to 24 months.

FOR INDUSTRIAL USE ONLY

KEEP OUT OF REACH OF CHILDREN

KEEP CONTAINER TIGHTLY CLOSED

NOT FOR INTERNAL CONSUMPTION

CONSULT SAFETY DATA SHEET FOR MORE

INFORMATION

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