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: napthenic, 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

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

PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>M-529</th>
<th>M-529 L</th>
<th>M-529 SC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Dark amber viscous liquid</td>
<td>Dark amber viscous liquid</td>
<td>Dark amber viscous liquid</td>
</tr>
<tr>
<td>Density</td>
<td>7.6-7.7 lb/gal (0.91-0.92 kg/l)</td>
<td>7.6-7.7 lb/gal (0.91-0.92 kg/l)</td>
<td>8.0-8.2 lb/gal (0.96-0.98 kg/l)</td>
</tr>
<tr>
<td>NVC</td>
<td>94-98</td>
<td>94-98</td>
<td>94-98</td>
</tr>
</tbody>
</table>
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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