



Product Profile



Available From

## 502 ENGINE OIL IMPROVER w/ Zinc and Micronized Moly

**SWEPCO 502** is a concentrated additive designed to enhance and improve the quality of regular engine oil being used in either gasoline or diesel engine applications. It contains ZDDP (zinc) and Micronized Moly which act as a film lubricant in the engine helping to reduce friction. The detergency of 502 helps keep engines clean by reducing sludge and varnish build-up. Regular use of this additive can help prolong engine life.

Late in 2006, Gasoline and Diesel engine oil service classifications were forced by the EPA to reduce the amount of critical friction-fighting additives. The gasoline service grade was changed to "SM", diesel to "CJ-4." The major oil companies are not producing a fully fortified engine oil any longer, they have reduced the zinc, phosphorous and calcium levels in their oils to meet the new specification.

**SWEPCO 502 Engine Oil Improver** can be safely added to all service levels of oil, including the new API SM/CJ-4 engine oils to help save costly engine components such as cams, lifters, etc. It *should not* however, be used in engines requiring the SM, SN or CJ-4 oils. Therefore, it is particularly recommended for pre-2007 vehicles for optimum protection, especially those with flat tappet cams.

### BENEFICIAL CHARACTERISTICS:

- Improves and fortifies any engine oil against the damaging effects of corrosion in gasoline or diesel engines.
- Prevents wear, particularly on starting when certain parts of the engine are not properly lubricated.
- A special solvent eliminates sticking hydraulic valve lifters. Other solvents dissolve high temperature gum and varnish formations which form on rings, pistons, in the crankcase and around valves.
- Reduces oil consumption.
- Helps cut down excessive oil smoke.
- Promotes easier "break-ins" on new and rebuilt engines, reduces the possibility of damage by "scuffing."
- Neutralizes acid.
- Used regularly, it helps lengthen life of the engine.
- Designed to keep an engine at peak performance at all times, and thus helps maintain the effective horsepower of the engine.

### TREATMENT RATIO:

- One to Ten - One pint **502** for every 5 quarts of oil.

### CONTAINER SIZE:

- Pint / 12 per case

### SPECIAL NOTES:

- **502** is not intended to be an artificial viscosity improver. Adding **502** in the recommended treatment ratio will not affect the viscosity grade of the oil it is being used with.
- If the engine you are treating is known to have sludge, it is recommended to drain the oil and replace the oil filter after a shortened interval and re-treat the new oil with **502**.
- **NOT RECOMMENDED** for 2007 or later gasoline engines requiring API "SM" or diesel engines requiring API "CJ-4" engine oil