



Bio/Tech Engine Oil Protectant

**Total Engine Protection
for use in all Diesel
and Gasoline Engines**

BIO/TECH Engine Protectant is a superior friction modifier that reduces engine wear and disperses heat using proprietary LXE® technology. It cools the engine by increasing the rate of heat transfer, without the use of chemical “enhancers” or solid lubricants such as Teflon™, graphite, or molybdenum disulphide that can create sludge and varnish. It replenishes oil components that have been lost in the stress of operation thus increasing the life of the engine.

This formula is engineered to meet the stringent demands of today’s hotter running engines, including turbos. It is also ideal to keep mixed truck fleets (gasoline and diesel) in good working condition.

- » Optimizes engine horsepower and performance
- » Reduces hot oil temperatures up to 30° F
- » Extends engine oil life, resulting in extended oil and filter change intervals
- » Increases fuel economy by reducing friction
- » Reduces wear on metal components
- » Allows easier starts, especially in cold weather
- » Eliminates lifter and other objectionable engine noises
- » Inhibits oxidation
- » Blends with ALL motor oils

AVAILABILITY

Stock No.	Unit Size	Case Qty
30902	10 oz	12/c
30901	15 oz	12/c
40902	32 oz	6/c
40904	5 gal	n/a
40905	55 gal	n/a

BENEFITS OF ADDING LUBEGARD TO NEW OR IN-SERVICE OIL:

All modern engine oils contain a highly refined petroleum or synthetic base oil which is fortified with additives to meet motor oil performance specifications. Even so, dated specifications may not represent the level of performance needed by a new engine design. A new oil may not contain sufficient additives such as ANTI-WEAR agents or ANTI-CORROSION compounds even though it passes all the tests. Furthermore, these protective compounds are depleted when the oil is in service.

The solution to this protection gap is LUBEGARD® BIO/TECH ENGINE PROTECTANT which supplements and enhances the effectiveness of the additive system already present in the oil. LUBEGARD® replaces the depleted or insufficient additives, and adds LXE® wear protectors and friction reducers which are unavailable in any other oil. Minimum friction means maximum mileage; minimum wear means maximum long term performance. In addition, LUBEGARD® increases the thermal and oxidative stability of motor oil to prevent creation of sludge and deposits.

There is a need for improved oil additives for protection and mileage in view of the rapid technological changes in modern engine design. LUBEGARD® provides a concentrated package that fulfills this need (without adding ZDDP, chlorine or other inappropriate sludge building additives like PTFE). LUBEGARD® does add LXE® technology which will carry your oil through the 21st century.

LUBEGARD® RATIO TO GASOLINE OR DIESEL ENGINES:

Add 3 oz. of LUBEGARD® to every quart of engine oil with oil change.

- » 10oz, bottle treats one 3-1/2 quart system
- » 15oz. bottle treats one 5 quart system



TYPICAL TECHNICAL PROPERTIES:

Viscosity at 40° C	33-37 cSt
Viscosity at 100° C	5-8 cSt
Flashpoint (COC)	>410°F
Pour Point	<-10°F
Viscosity index	> 140
API Gravity (60°F)	27-32

