

**LUBE** World's Finest  
Lubricants!  
**GARD**®

# Automatic Transmission Fluid Protectant

\*FOR USE IN ALL AUTOMATIC TRANSMISSIONS U.S. Patent: 5,282,989

Multiple OEM's Use, Endorse,  
Designate and Recommend  
LUBEGARD ATF Protectant.

**DESCRIPTION:** LUBEGARD® AUTOMATIC TRANSMISSION FLUID (ATF) PROTECTANT is for use in all automatic transmissions and manuals requiring an ATF, including heavy duty transmissions, such as Allison. Use with all synthetic or mineral based DEXRON®, MERCON® & OEM (Original Equipment Manufacturers) ATF's\* (except Ford Type F ATF & CVT applications).

Lubegard controls heat and is especially effective in today's hotter running front wheel drive vehicles. It contains LXE® (Liquid Wax Ester) Technology and their derivatives, base oils and conventional additives.

Lubegard is designed to raise the thermal and oxidative stability level of automatic transmission fluids, so when it operates at elevated temperatures, it does not thin out and pyrolyze, burn or react with oxygen and form deposits.

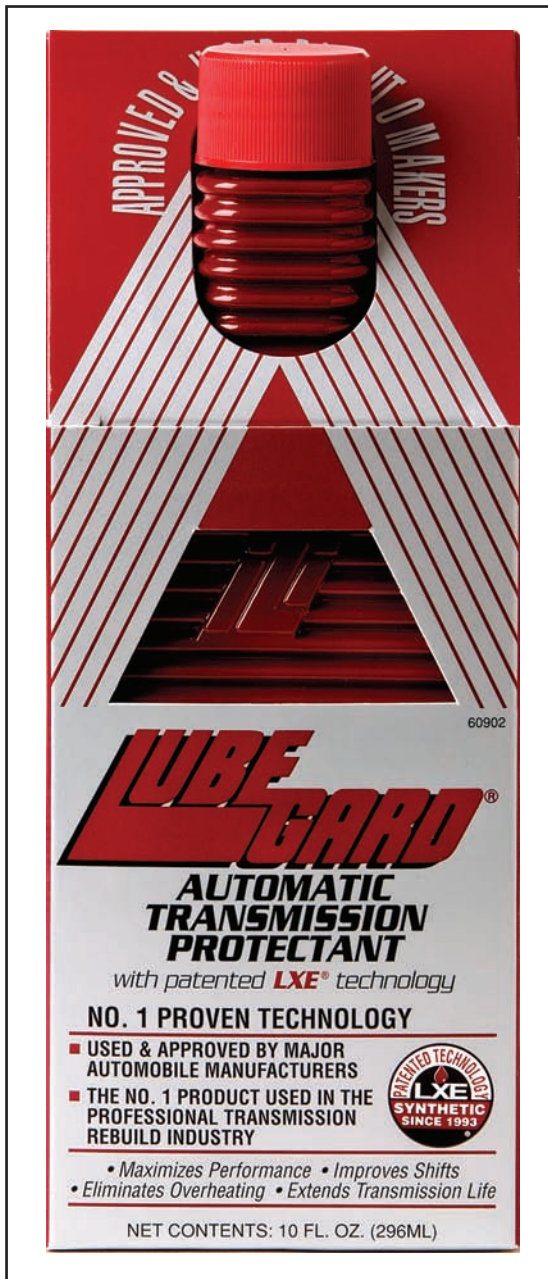
## BENEFITS:

- Prevents overheating, reducing elevated operating temperatures up to 40° F.
- Only product that increases the fluids ability to transfer heat
- Does not contain harmful chemicals such as zinc
- Transmissions perform more efficiently at lower operating temperatures.
- Anti-chatter in clutch packs (allow overnight penetration for maximum benefit).
- Anti-shudder with converter clutches (allow overnight penetration for maximum benefit).
- Inhibits transmission fluid foaming and oxidation, thereby extending fluid life.
- Maintains proper ATF viscosity index in the torque converter.
- Prevents overheating.
- Assists in freeing hung up governors.
- Keeps valves free. Frees stuck valves in valve bodies.
- Provides for smoother shifting and reduced drive train power losses.
- Helps modify harsh shifts and makes them quicker in duration.
- Prevents costly comebacks.
- Reduces transmission wear.
- Use in manuals requiring ATF

*The use of LUBEGARD ATF Protectant will not cause clutch friction upset or slippage.*

## LUBEGARD WITH LIQUID WAX ESTERS (LXE)

Liquid wax esters (LXE®) are the most important component in our automatic transmission protectant. Liquid wax esters are unique because of their natural lubricity, high viscosity index, high flash and fire points. They have the ability not to be affected by repeated heating to temperatures as high as 570°F. They give automatic transmission fluid the extra lubricity needed because of a transmission's unique frictional requirements. They also improve heat conductivity, suppress foaming and, consequently, reduce transmission operating temperatures.



The patented technology found in this product is a direct replacement for sperm whale oil used extensively in automatic transmission fluids before the enactment of the Endangered Species Act of 1972.

## BASE OILS

The base oils in ILI's ATF protectant consist of high viscosity index petroleum base stocks with excellent heat resistance. Added to this material is a polyalphaolefin (PAO) synthetic fluid which also has excellent heat resistance, a high viscosity index, a low pour point and a high flash point. These base oils give our additive the approximate viscosity of an automatic transmission fluid. No viscosity index improvers are used because we believe that these products are undesirable due to their tendency to shear and lose viscosity when exposed to extended use in an automatic transmission.

## SUPERIOR ADDITIVE

The combination of these components provides excellent lubrication, reduced operating temperatures where overheating is a problem, and allows transmissions to operate at their optimum.

Overheating is considered to be the number one cause of transmission failure. Experts have reported that for each 20° F. drop in fluid temperature, the life of the transmission fluid is doubled. Although the optimum temperature range is considered to be 150 to 190° F., it's a well known fact that front-wheel-drive transmissions may run at temperatures as high as 225 to 250° F. Lubeguard is recommended, because it will assist in reducing transmission temperatures and extend transmission life.

*Distributed By:*

## TYPICAL PROPERTIES:

VISCOSITY AT 40°C.....	28-34 cSt
VISCOSITY AT 100°C .....	6-9cSt
FLASH POINT.....	>400°F
POUR POINT.....	<0°F
VISCOSITY INDEX.....	>160
GRAVITY, API, 60°F.....	28-31

## AVAILABILITY:

Stock No.	Unit Size	Case Weight/QNTY
60902	10 oz.	9.20 lbs./(12/case)
50902	32 oz.	12.5lbs/(6/case)
50904	5 gal. Pail	41 lbs.
50905	55 gal. Drum	450 lbs.

Also available for bulk shipments

## LUBEGARD RATIO IN ALL AUTOMATIC TRANSMISSIONS

- For normal applications, add one bottle with motor idling and transmission in park
- For larger applications, add 1 oz. (29.6 mL) per qt. (L) of ATF to the total transmission capacity (including torque converter) with motor idling in park.
- For heavy-duty transmissions, such as Allison, add up to 8oz. to every gallon (4-quarts).



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