



M-V Automatic Transmission Fluid Supplement

*FOR MERCON V® APPLICATIONS ONLY

U.S. Patent: 5,282,989



Saves TIME, SPACE and MONEY!



DESCRIPTION: LUBEGARD M-V Automatic Transmission Fluid (ATF) Supplement enhances DEXRON® III/ MERCON® ATF to perform like a MERCON® V ATF. This eliminates the need to stock MERCON® V ATF saving you time buying from dealers, space storing yet another ATF & since its a lower cost alternative saving you money!

The LUBEGARD M-V ATF Supplement formulation is based on the same patented LXE® (Liquid Wax Ester) Technology found in the LUBEGARD ATF Protectant (Red - 60902) which has gained worldwide acceptance in the professional aftermarket transmission repair industry. Its also used, endorsed, designated and recommended by multiple Original Equipment Manufacturers (OEM's). In addition to the LXE® Technology LUBEGARD M-V ATF Supplement also contains the patented SYNERGOL® TMS Technology. SYNERGOL TMS dramatically improves shift quality & tightens the shift cycle without degrading the torque carrying capacity of the fluid at the same time preventing torque converter shudder and clutch chatter.

BENEFITS:

- Eliminates the needs for MERCON® V ATF
- Enhances DEXRON® III/ MERCON® ATF to perform like a MERCON® V ATF
- Prevents overheating, reducing elevated operating temperatures up to 40° F
- Dramatically reduces friction and tightens the shift cycle without losing the friction modification at lockup
- Eliminates transmission fluid foaming and oxidation
- Optimizes total transmission performance
- Extends fluid life
- Eliminates clutch chatter and torque converter shudder
- Eliminates objectionable noises during shifts
- Softens and modifies harsh shifts
- Provides for smoother shifting
- Keeps valves and governors free and frees stuck valves in valve bodies
- Superior seal compatibility & conditioning
- Assists in eliminating warranty comebacks.
- Raises the thermal and oxidative stability of the fluid
- Only protectant that increases the fluid's ability to transfer heat
- Does not contain zinc (ZDDP)/ash
- Contains same benefits as LUBEGARD Automatic Transmission Fluid Protectant

Car and Truck Makes	Manufacturer's ATF
FORD	MERCON® V
LINCOLN	
MERCURY	
MAZDA	
And all other makes that require MERCON® V ATF	



Call for free ATF Conversion Chart. Voted #1 Resource!



HISTORY

MERCON® V was originally introduced by the Ford Motor Company for use in 1997 and later A4LD-E (4R44E) and 5R55E automatic transmissions.

EFFECTIVE JULY 1st 2007, Ford Motor Company announced all automatic & manual transmissions and power steering systems previously requiring MERCON® must be serviced with MERCON® V.

LUBEGARD WITH LIQUID WAX ESTERS (LXE)

Liquid Wax Esters (LXE®) are the most important component in our automatic transmission supplement. Liquid wax esters are unique because of their natural lubricity, high viscosity index, high flash and fire points. They have the ability to not 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 temperature. 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 HFM-ATF Supplement consist of high viscosity index petroleum base stocks with excellent heat resistance. Added to this material is polyalphaolefin 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 PERFORMING ATF

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 #1 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 is a well known fact that front-wheel drive transmissions may operate at temperatures as high as 225 to 250°F. Only LUBEGARD helps to dramatically prevent overheating, reducing elevated operating temperatures up to 40°F!

TYPICAL PROPERTIES:

Viscosity @40°C..... 129 cSt
Viscosity @100°C..... 16.2 cSt
Flash Point (COC)..... >450°F
Pour Point..... <-25°F
Viscosity Index..... >120
Gravity, API..... 20.2

AVAILABILITY:

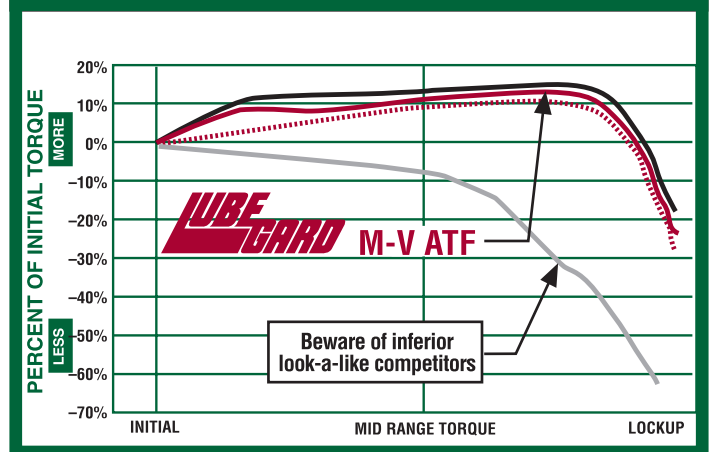
Stock No.	Unit Size	Case Weight/QNTY
62005	10 oz.	9.26 lbs. (12/case)

TESTING DATA

LUBEGARD® ran the M-V ATF Supplement through a destructive cycling test to determine the performance of this additive. In a modern factory-fill with DEXRON® III/ MERCON® ATF, the LUBEGARD M-V ATF Supplement maintained its clean, tight lockup performance past 40,000 transmission cycles, so well that it was performing better at 40,000 cycles than the GM Factory fill fluid was at 20,000 cycles. LUBEGARD M-V ATF Supplement has been tested to be the best MERCON® V ATF conversion package available to you today.



CLUTCH SLIP AFTER ENGAGEMENT WITH VARIOUS TRANSMISSION FLUIDS



The chart above shows:

- DEXRON® III/ MERCON® ATF alone**
DEXRON® III/MERCON® ATF has a lower friction performance during clutch engagement than the less frictionally-modified MERCON® V ATF.
- LUBEGARD® M-V Supplement with DEXRON® III/MERCON® ATF**
Adding LUBEGARD® M-VATF Supplement to the DEXRON® III/MERCON® ATF actually increases the measured friction of DEXRON® III/MERCON® ATF to make a crisper torque cycle, as seen in the less frictionally modified MERCON® V ATF, while rolling over at lockup to eliminate shudder.
- MERCON® V**
MERCON® V ATF is a less frictionally-modified fluid and therefore has a larger torque fluctuation top-to-bottom than the DEXRON® III/MERCON® ATF.
- Inferior look-a-like competitor**
A competitive M-V additive showing drastically reduced torque, actually changing the engagement profile of the clutch, moving it away from MERCON® V or DEXRON® III performance profiles. This could lead to excessive slippage and power loss.

LUBEGARD RATIO IN AUTOMATIC TRANSMISSIONS

•For normal applications, add 1 ounce (29.6mL) per quart (Liter) of the total transmission capacity (Including torque converter) with motor idling in park.

Always check owners manual or dip stick for required volume and fluid type.