

TECHNICAL BULLETIN

Allison transmission fluid applications with LUBEGARD

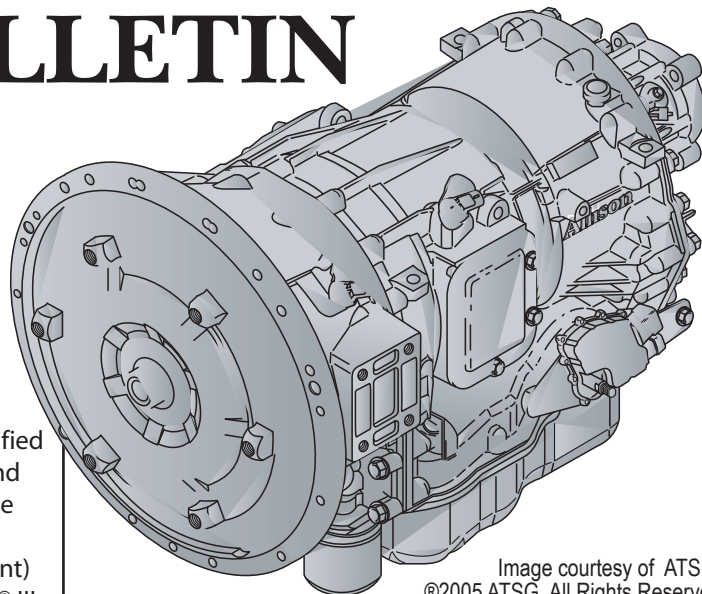


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One of the most important aspects of assuring long life and optimum performance in Allison® commercial transmissions is the proper selection of transmission fluid. The transmission fluid contributes greatly to the performance and durability of the transmission.

When used with Allison approved DEXRON® III Automatic Transmission Fluid, LUBEGARD Automatic Transmission Fluid Protectant will extend fluid life with no detrimental effect on the torque carrying capacity of the fluid.

The heat reducing properties of the unique LXE® Technology in LUBEGARD products, works with the transmission fluid to lubricate and cool the transmission under the most extreme duty and conditions, resulting in reduced wear and extended durability.

Fluid Types:

TranSynd™ - Fully synthetic ATF from Allison. TranSynd™ is fully qualified to the Allison C-4, Allison TES 295 and GM DEXRON® IIIH specification. (Use LUBEGARD® ATF Protectant or LUBEGARD Platinum® ATF Protectant)

¹ DEXRON® III ATF- Many DEXRON® III ATF's qualify to the Allison C-4 specification. Most fully synthetic DEXRON® III ATF's are capable of meeting the Allison requirements for extended drain interval and severe duty. (Use LUBEGARD ATF Protectant or LUBEGARD Platinum ATF Protectant)

² C-4 Fluids- A variety of SAE viscosity grades (SAE 30, 15W-40, etc.) have been approved for C-4 use. Many DEXRON® III ATF's qualify as a C-4 fluid. C-4 fluids are not approved for the 1000/2000/2400 Series transmissions unless they are DEXRON® III approved ATF's. Higher viscosity C-4 fluids (SAE 30 or SAE 15W-40) are recommended for optimum transmission life in 5000, 6000, 8000, and 9000 Series off-highway transmissions.

Low temperature oil viscosity grade recommendations:

SAE Viscosity Grade or Oil Type	Minimum Operating Temperature (Deg. C / Deg. F)
10W-20 (Arctic Oil), TranSyn, or fully synthetic DEXRON® III	-30 / -22
DEXRON® III	-25 / -13
10W	-20 / -4
15W-40	-15 / 5
SAE 30	0 / 32
SAE 40	10 / 50

Recommended treat rate for LUBEGARD ATF Protectant and Platinum ATF Protectant is 1 ounce of LUBEGARD per quart of DEXRON® ATF for the total transmission fluid capacity. (Example: 20 quart total capacity uses 20 ounces of LUBEGARD)

Allison Transmission (Model)	Transmission Fluid Required (Rigorous duty)	Transmission Fluid Required (Severe duty)
1000, 2000, 2400 Series	¹ DEXRON®III with LUBEGARD	TranSynd™ or Synthetic DEXRON® III with LUBEGARD ATF Protectant or LUBEGARD Platinum
MD, HD B 300, B 400, B 500 Series	¹ DEXRON®III with LUBEGARD ATF Protectant or LUBEGARD Platinum	TranSynd™ or Synthetic DEXRON® III with LUBEGARD ATF Protectant or LUBEGARD Platinum
AT 500, MT 600, HT 700, V 700 Series	¹ DEXRON®III with LUBEGARD ATF Protectant or LUBEGARD Platinum	TranSynd™ or Synthetic DEXRON® III with LUBEGARD ATF Protectant or LUBEGARD Platinum
CLBT 750, 5000, 6000, 9000, DP 8000 Series	² C-4 Only (Approved)	² C-4 Only (Approved)



INTERNATIONAL LUBRICANTS, INC.
 7930 Occidental South ■ Seattle, WA 98108 ■ PO Box 24743 ■ Seattle, WA 98124
 206-762-5343 ■ 800-333-LUBE (5823) ■ Fax: 206-762-7989 ■ www.Lubegard.com