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# COMPLETE™ MULTI-VEHICLE Dual Clutch Transmission Fluid

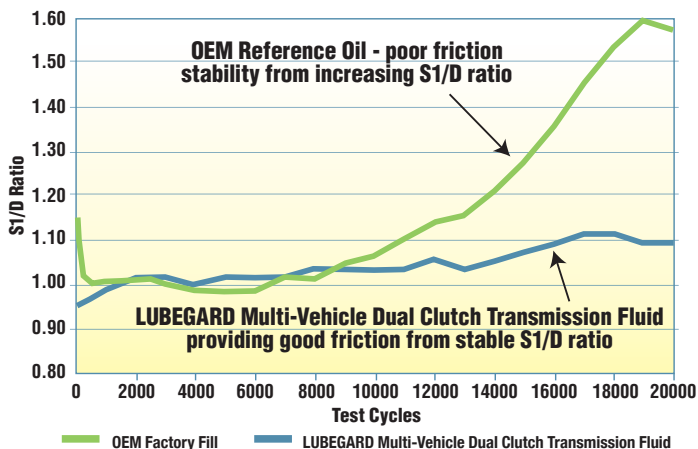
THE SERVICE SOLUTION FOR OVER 99% OF WET-CLUTCH APPLICATIONS

LUBEGARD® COMPLETE™ Multi-Vehicle Dual Clutch Transmission Fluid is designed to provide extreme pressure protection in high performance DCT vehicles. It is manufactured with the highest quality synthetic base oils and performance additives, producing improved shifting proficiency at all ambient temperatures. This formula is infused with proprietary LXE® which provides friction durability, unrivaled shear stability, and superior wear protection. The carefully calculated viscosity protects against wear while simultaneously improving fuel economies. LUBEGARD® Multi-Vehicle DCTF has been rigorously tested and evaluated against OEM approved fluids and proven superior in third party standardized industry tests in the following areas:

- » **Frictional Durability** resulting in improved shifting at all ambient temperatures, longer fluid life, and extended drain intervals (See figure 1)
- » **Load Carrying** insulating gears and bearings from extreme pressure, increasing the life of the transmission (See figure 2)
- » **Seal Performance** safeguarding against fluid leakage and preventing component failures due to oil starvation

FIGURE 1

## SUPERIOR FRICTION STABILITY OF LUBEGARD'S MULTI-VEHICLE DUAL CLUTCH FLUID



The S1/D measurement is commonly used to assess the overall friction quality between the lubricant and the clutch system. A stable S1/D ratio indicates good friction stability and an increasing S1/D ratio indicates poor friction stability.

Degradation of friction performance can be seen with the OEM factory fill after 10,000 cycles which could lead to loss in overall operating efficiency. LUBEGARD's Multi-Vehicle Dual Clutch Transmission Fluid ensures good shift quality over the life of the transmission.



## AVAILABILITY

Stock No.	Unit Size	Case Qty
56032	1 qt.	(6/c)

INTERNATIONAL LUBRICANTS, INC.

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## BENEFITS:

In addition, Lubegard's Multi-Vehicle Dual Clutch Transmission Fluid is proven superior in shear stability against both performance targets and competitive fluids. Further, this formula meets and exceeds performance requirements in a comprehensive range of extensive tests including:

- » Clutch friction durability
- » Synchronizer durability
- » Copper corrosion prevention
- » Steel corrosion prevention
- » Oxidation/Thermal stability
- » Elastomer compatibility
- » Gear wear protection
- » Bearing wear protection
- » Vane pump wear protection

**FIGURE 2**

## FIELD TEST

With completion of a 160,000 km field trial using VW Jettas equipped with DQ250 transmissions for taxi service, full transmission inspections revealed LUBEGARD's Multi-Vehicle Dual Clutch Transmission Fluid had provided excellent protection to all components.



K1 Clutch from DQ250  
after 160,000 km



1st Gear  
Blocker Ring



1st Gear Input Shaft



Input Shaft Thrust Bearing

## LUBEGARD MULTI-VEHICLE DUAL CLUTCH TRANSMISSION FLUID IS SUITABLE FOR THE FOLLOWING APPLICATIONS:

OEM	Vehicle Model
Audi/VW	G 052 529 A2
	G 052 182 A2
	G 052 182 A6
	G 055 529
	TL 521 82
BMW	23 00 1 434 404
	23 00 7 533 513
	83 19 2 344 627
	83 22 0 309 031
	83 22 0 440 214
	83 22 2 147 477
	83 22 2 148 578
	83 22 2 148 579
	83 22 2 156 969
	83 22 2 239 654
	83 22 2 239 655
	83 22 2 339 219
	83 22 9 408 942
Castrol	BOT 341
Ferrari/Shell	TF DCT-F3
Ford	M2C936A
	XT-11-QDC
Hyundai	00232-19041
	00232-19042
Mercedes-Benz	001 989 85 03
	001 989 86 03

OEM	Vehicle Model
Mercedes-Benz	MB 236.21
	MB 236.24
	MB 236.25
	MB 239.21
MINI	83 22 0 140 516
	83 22 0 403 247
	83 22 2 344 589
Mitsubishi	C0002610/Mitsubishi Dia Queen SSTF-I MZ320065
Nissan	999MP-GTR00P
Pentosin	FFL-2, 3, 4, 8 & Racing
Porsche	000 043 207 29
	000 043 207 30
	000 043 210 44
	000 043 305 13
	000 043 305 14
	0000043020
	971 094 307 02A
	G 052 529 A2
	999.917.080.00
	999.917.080.01
Peugeot/Citron	9734.S2
Volvo	1161838
	1161839
ZF	TE-ML-11 (ZF004743)