



SPECIALISED LUBRICANTS

**PRODUCT NAME: LA 407 LV AUTOMATIC TRANSMISSION FLUID**

**ISO VISCOSITY: 10W**

**MAJOR RATINGS: DEXRON VI, MERCON LV**

## DESCRIPTION

LA 407 Low Viscosity is an Ultra-high performance Automatic Transmission Fluid oil formulated from PAES-SYN™ oil with superior high temperature stability, durability and protection for a broad range of vehicle transmissions providing improved fuel efficiency.

## APPLICATION

LA 407 improves the performance and smooth shift capabilities of automatic vehicles for passenger cars, light commercial vehicles and 4WD's (SUV's), where an SAE 10W low viscosity oil is recommended. Excellent protection for shock loading of towing and hauling operations.

## FOAM CONTROL WITH WEAR PROTECTION

LA 407 LV contains anti-foam chemistry that provides a resilient oil film at low and high temperatures. Elasto-hydrodynamic lubrication (EHD-L) provided from the PAES-SYN™ oils resist oil film shear and rupture under high torque, sliding and rolling load. This characteristics retains separation between various metallurgical opposing surfaces to increase transmission life and productivity.

## RUST AND CORROSION PROTECTION

The ashless chemistry of LA 407 LV provides outstanding hydrophobic properties that prevent oxidisation of ferrous & non-ferrous yellow metals, protecting against rust and corrosion.

## EXTENDED OIL SERVICE-OXIDATION RESISTANT

LA 407 LV retains an inherent ability to run cooler. This inherent thermal stability provides a cleaner, cooler and oxidation resistant oil. This desirable attribute provides extended oil drain periods and long term metal protection against metal expansion in contact points.

## WEAR PROTECTION

The combination of PAES-SYN™ base oils and highly advanced additive technology utilised in LA 407 provides a resilient oil film to protect planetary, (ring and sun gear components), and clutches when operated under stop-start city driving, long distance highway driving and towing loads.

## ANTI-SHUDDER, SMOOTH SHIFT PERFORMANCE

LA 407 LV chemistry interacts with the steel and clutch material surfaces to form a surface film that provides the desired performance of automatic transmissions, especially anti-shudder performance.

The friction response for the whole engagement and driving quality in a wet clutch system as well as the lock-up clutch friction couple materials ensures a smooth engagement process with no shudder providing smooth shift in the automatic transmission irrespective of the load or speed of the vehicle.



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## FEATURES & OPERATIONAL BENEFITS

FEATURES	ADVANTAGES AND OPERATIONAL BENEFITS
Exceptional high temperature thermal stability and oxidation resistance	Increased transmission high temperature operating capability. Eliminates insoluble and varnish deposits to enable efficient operation and long filter life
High Viscosity Index	Retains viscosity and film thickness at high temperatures. Provides exceptional low temperature performance.
Reduced co-efficient static friction	Reduced friction and increase efficiency in sliding and rolling gear/bearing mechanisms with lower steady-state operating temperatures.
High load carrying efficiency Balanced additive chemistry	Protects metal surfaces under heavy and shock loads. Delivers exceptional performance in relation to rust and corrosion prevention, water separability, foam control and air release performance.
Yellow Metal Oxidation Resistant Anti-Oxidant Protection	Protects non-ferrous metal surfaces from corrosive elements Ensures lubricant life is protected from acid attack and viscosity increase
Demulsibility Capability	Reduces effect of water contamination to form sludge and other harmful debris
Broad spectrum use	Covers wide wear protection required for all major ATF 'stepped automatic transmission' OEM specifications

## SPECIFICATIONS AND PERFORMANCE REQUIREMENTS

FORD: MERCON LV  
GM: DEXRON VI  
MERCEDES BENZ  
JASO: 1-A LV  
ZF: Lifeguard 6, Lifeguard 6 Plus, Lifeguard 8

*See list for complete application guide.*

*NOTE\*\* LA 406 is NOT suitable for CVT, Mercedes Benz 7-speed, FORD Type-F*



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## TYPICAL PROPERTIES

TEST DESCRIPTION	ASTM	TEST RESULT
Description	Visual	Light Red
Viscosity Grade	SAE	10W
Viscosity, cSt @ 40°C	D-445	27.5
Viscosity, cSt @ 100°C	D-445	5.95
Viscosity Index	D-2270	170
Density @ 15°C, kg/L	D-4052	0.843
Flash Point, Cleveland Open Cup,(COC), °C	D-92	223
Pour Point, °C	D-5950	-45
FZG Gear Test	IP 334	>10

**Health and Safety:** This product is not expected to cause health concerns when used for the intended application and according to the recommendations in the Material Safety Data Sheet (MSDS).



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## PERFORMANCE CLAIMS

APPLICATION	OEM	PASSENGER CAR SPECIFICATION FOR LA 407 LOW VISCOSITY MULTI VEHICLE
North American OEM	FORD	Mercon® LV
	GM	DEXRON VI
	CHRYSLER	DEXRON VI, SP-IV
Asian OEM	HONDA	ATF DW-1
	HYUNDAI	NWS-9638
	KIA	SP-IV, SPH-IV, SP-IV RR
	JASO	1-A-LV
	AISIN WARNER	AW-1
	MAZDA	ATF-FZ, MERCON LV
	MITSUBISHI	ATF-J3, SP-IV, PA, ATF-MA1
	NISSAN	MATIC-S, MATCI-W
	TOYOTA	WS (JWS 3324)
European OEM	AUDI	G 055 005 A1/A2/A6, G 055 162 A1/A2/A6, G 060 162 A1/A2/A6, G 055 540, G 053 001
	BMW	BMW 83 22 0 142 516, 83 22 2 152 426
	MERCEDES BENZ	MB 236.12, 236.14, 236.15, 236.16, 236.17
	MERCEDES BENZ	MB 236.41
	PSA (PEUGOT)	RP 9734 R7 for EAT6, AW-1
	SAAB	93 165 147
	VOLVO	6 Speed MY 2011-2013 (P/N 31256774 or 31256675)
	VW	G 052 540, G 055 005, G 055 162
	ZF	ZF 6 speed (S671 090 255)