



# MAG1<sup>®</sup>

*Evolutionary Performance™*



***AUTOMATIC  
TRANSMISSION FLUID***





Evolutionary Performance™



**PASSENGER CAR**  
AUTOMATIC TRANSMISSION FLUID



Automotive transmissions have evolved dramatically, requiring highly specialized fluids for unique applications. One brand has evolved right alongside – MAG 1®. Only the most advanced transmission fluids meet the difficult challenges of effectively balancing performance, strength and durability.

**MAG 1 AUTOMATIC TRANSMISSION FLUID**

MAG 1 Automatic Transmission Fluid is engineered to extend transmission life and smooth operation of Ford and General Motors vehicles where a DEXRON®-III/MERCON® fluid is specified.

**MAG 1 LOW VISCOSITY MULTI-VEHICLE TRANSMISSION FLUID**

MAG 1 Low-Viscosity Automatic Transmission Fluid is a balanced advanced formula utilizing superior additive technology and 100% synthetic base oils. DEXRON®-VI/MERCON® LV Approved.

**MAG 1 MULTI-VEHICLE TRANSMISSION FLUID**

MAG 1 Multi-Vehicle Automatic Transmission Fluid is engineered to extend transmission life and smooth operation of many automatic transmissions from a variety of OEMs.

**MAG 1 FULL SYNTHETIC MULTI-VEHICLE TRANSMISSION FLUID**

MAG 1 Full Synthetic Multi-Vehicle ATF is a balanced advanced formula utilizing superior additive technology and 100% synthetic base oils helping to ensure peak performance of almost any automatic transmission. This premium-quality product meets and exceeds the frictional and wear requirements of many automatic transmissions manufactured after 1983, including many foreign vehicles.

**MAG 1 TYPE F AUTOMATIC TRANSMISSION FLUID**

MAG 1 Type F Automatic Transmission Fluid is approved for all Ford automatic transmissions built prior to 1977 and certain models for years 1977 through 1980. Meets Ford specifications for high static friction fluid and requirements for transmissions recommending a Type F fluid.

**MAG 1 MERCON® V TRANSMISSION FLUID**

MAG 1 MERCON® V ATF is specially formulated with a unique combination of conventional base stocks and an advanced additive technology to meet the performance requirements of Ford automatic transmissions calling for MERCON® V fluid.

**MAG 1 ATF+4®**

MAG 1 ATF+4® is licensed by FCA US, LLC for use in all Chrysler, Dodge, and Jeep vehicles calling for ATF+4®, ATF+3®, or ATF+2® transmission fluid.

**MAG 1 CONTINUOUSLY VARIABLE TRANSMISSION FLUID**

MAG 1 CVT Fluid formulated with a unique combination of full synthetic base stocks and an advanced additive technology designed for the specific demands of CVTs. Recommended for use in most belt- or chain-driven CVTs. Not a replacement for ATF.

**MAG 1 DUAL CLUTCH TRANSMISSION FLUID**

MAG 1 Full Synthetic DCT Fluid is for service fill applications on a wide range of European, Asian, and American vehicles equipped with a wet Dual Clutch Transmission. MAG 1 DCT fluid has demonstrated robust performance in both industry/OEM testing as well as extensive field testing.

PACK SIZES	ATF*		Low-Viscosity Multi-Vehicle*	Mercon® V*		Type F*	ATF+4®**		CVT*	DCT	
	Pack Size	Product #		Pack Size	Product #						
ATF*	12/12 Ounce	00901	Low-Viscosity Multi-Vehicle*	6/1 Quart	64092	Type F*	6/1 Quart	00910	CVT*	DCT	
	6/1 Quart	00900		6 Gallon**	65449						
	3/1 Gallon	00906		55 Gallon	64094						
	2/2.5 Gallon	00902		330 Gallon	65480						
	5 Gallon	00905		6/1 Quart	63453						
Full Synthetic Multi-Vehicle*	55 Gallon	62856	Mercon® V*	6/1 Quart	00910	Type F*	55 Gallon	63440	ATF+4®**	CVT*	DCT
	330 Gallon	65479		6/1 Quart	60627						
	6/1 Quart	62555		55 Gallon	63440						
Multi-Vehicle*	3/1 Gallon	63341	Mercon® V*	6/1 Quart	63318	Type F*	6/1 Quart	60627	ATF+4®**	CVT*	DCT
	55 Gallon	62869		6/1 Quart	63318						
	6/1 Quart	00915		55 Gallon	60613						

TYPICAL PHYSICAL PROPERTIES										
Properties	Test Method	ATF	Full Synthetic Multi-Vehicle	Multi-Vehicle	Low-Viscosity Multi-Vehicle DEXRON®-VI/Mercon® LV	Mercon® V	Type F	ATF+4®	CVT	DCT
Brookfield Viscosity at -40°C, cP	ASTM D2983	18,500	10,300	11,300	10,300	11,300	37,000	9,000	12,300	16,826
Color	ASTM D1500	Red	Red	Red	Red	Red	Red	Red	Amber	Amber
Flash Point °C	ASTM D92	204	216	204	220	204	204	204	199	199
Flash Point °F	ASTM D92	400	420	400	428	400	400	400	390	390
Gravity, °API	ASTM D287	32.98	34.66	33.02	35.60	33.02	32.67	34.81	34.23	34.5
Pour Point °C (°F)	ASTM D5950	-51°C (-60°F)	-51°C (-60°F)	-51°C (-60°F)	-51°C (-60°F)	-51°C (-60°F)	-51°C (-60°F)	-48°C (-54°F)	-51°C (-60°F)	-51°C (-60°F)
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.8603	0.8516	0.8601	0.8468	0.8601	0.8619	0.8508	0.8538	0.8524
Viscosity @ 100°C cSt	ASTM D445	7.38	7.41	7.56	5.797	7.56	7.47	7.68	7.21	7.038
Viscosity @ 40°C cSt	ASTM D445	35.67	33.64	35.43	28.56	35.43	38.11	35.22	33.8	33.57
Viscosity Index	ASTM D2270	179	196	189	151	189	167	201	185	178

\*Available in Bulk \*\* Enviro Box®





Evolutionary Performance™

**FMX** TECHNOLOGY **FRICION MANAGEMENT FOR XTREME PROTECTION**

**CLAIMS**

	Full Synthetic Multi-Vehicle	Multi-Vehicle	Type F	Mercon® V	ATF+4®	Low-Viscosity Multi-Vehicle DEXRON®-VI/MERCON® LV	ATF	CVT	DCT
Allison C-3						○			
Allison C-4	○	○		○		○	●		
Allison TES 389®*		◆		◆		◆			
Audi 5 HP LT71141, G 052162-A1/A2, G052 025 A2						○			
Audi G 052 025, 052 162, 055 025	○	○		○		○			
Audi/VW (TL 52180; G 052 180; G 052 516)							○		
BMW 6-speed DCT									○
BMW 7045E, LA2634, LT71141	○	○		○		○			
BMW 8322 0 136 376/8322 0 429 154(EZL799/EZL 799A)							○		
BMW Drivelogic 7-speed (Getrag)/DCTF-1									○
BMW JWS 3309, LA2634, ZF 5HP18FL, 5HP24, 5HP30, Mini						○			
BMW MTF LT-5									○
BMW P/N 83 22 0 024 359, ETL-8072B	○	○		○		●			
BMW P/N 83 22 0 0246 922, ETL-7045E	○	○		○		○			
BMW P/N 83 22 0 403 249, ETL-8072B	○	○		○		○			
BMW P/N 83 22 9 407 765, LA 2634	○	○		○		○			
BMW P/N 83 22 9 407 807, LT 711 41	○	○		○		○			
Borg Warner									○
Bugatti Veyron									○
Castrol BOT 341									○
Castrol BOT 450									○
Castrol Transmax Dual									○
CAT T0-2						○			
Chrysler 68044345 EA & GA						○			○
Chrysler 8 and 9 Speed Transmission						○			
Chrysler AS68RC, Diamond SP-III		○		○		○			
Chrysler ATF+4® (MS 9602)					★				
Chrysler ATF+3® (MS 7176E)					○				
Chrysler P/N 05127382AA, P/N 68043742AA (DEXVI)		○		○		○			
Chrysler Powershift 6-speed (Getrag)									○
Daewoo LT 71141						○			
Daihatsu Amix CVTF-DC, Daihatsu AMIX CVTF-DFE							○		
Daihatsu AMMIX ATF D-II, D-III SP						○			
DCT-1									○
DEXRON® III G/H, DEXRON® II, DEXRON®, AW1	○	○		○			●		
Dexron® VI						★			
Dodge / Jeep (NS-2 / CVTF+4/Mopar CVT 4)								○	
Esso 71141	○	○		○		○			

	Full Synthetic Multi-Vehicle	Multi-Vehicle	Type F	Mercon® V	ATF+4®	Low-Viscosity Multi-Vehicle DEXRON®-VI/MERCON® LV	ATF	CVT	DCT
Ferrari 7-speed (Getrag)/TE DCT-3									○
Fiat T-VI, JWS 3309						○			
Ford CFT30/WSS-M2C933-A / Motorcraft XT-7-DCFT								○	
Ford (CVT23, CVT 30, Mercon C)								○	
Ford FNR5						○			
Ford M2C138-CJ						○			
Ford M2C166H, 138CJ, 922A1, 924A, JWS 3309						○			
Ford/Nissan Powershift 6-speed (GFT)/Ford WSS-M2C936A									○
Ford P/N XT-2-DX (MERC), Ford P/N XT-2-SM (SYN MERC)	○	○		○					
Ford Type F, M2C-33G			●						
Ford WSS-M2C200-D2/XT-11-QDC									○
Fuchs 3353	○	○		○		○			
FUSO ATF-II, SPIII, A4						○			
GM/Saturn (DEX-CVT, CVTF I-Green2)								○	
GMN10060						●			
Hino Blue Ribbon ATF						○			
Honda DW-1, Z-1	○	○		○		○			
Honda (HMMF, HCF-2)								○	
Hyundai/KiaCVTF (SP-CVT 1)								○	
Hyundai/Kia/Mitsubishi Diamond SP-II and SP-III, RED-1, SP-IV	○	○		○		○			
Hyundai/Kia SP-IV M, RR Dex-II/SP-II, JWS 3314, 9683						○			
Hyundai NSW59638	○	○		○		○			
IDEMITSU APOROIL ATF HP	○	○		○		○			
Idemitsu K17	○	○		○		○			
ISUZU 08200-9001/Genuine ATF	○	○		○		○			
ISUZU BESCO ATF-II, III						○			
Jaguar ATF 3403 M115, LT71141, ZF 5HP24, JLM20238						○			
Jaguar P/N WSS-M2C922-A-1	○	○		○		○			
Jaso M315-2013, 1A, 1A-LV, 2A						○			
JWS 3309, Any 3309	○	○		○		○			
JWS 3324	○	○		○		○			
Lexus JWS 3309						○			
M315-2004 JASO 1A, 2A	○	○		○		○			
MAN 339 Type V2	○					○			
MAN 339 Type Z1, Z2, V1	○	●		●		○			
Mazda ATF D-II, M-III, M-V, FZ, F-1, S-1, N-1, 3317						○			

★ = Approved ◆ = MAG 1 recommends this product for use in applications calling for this specification ● = Meets Requirements ○ = Suitable for Use ▲ = SFU, Vis Requirements not met  
 \*Allison TES 389 is a registered trademark of Allison Transmissions, Inc.



Evolutionary Performance™

**FMX** TECHNOLOGY **FRICION MANAGEMENT FOR XTREME PROTECTION**

**CLAIMS**

	Full Synthetic Multi-Vehicle	Multi-Vehicle	Type F	Mercon® V	ATF+4®	Low-Viscosity Multi-Vehicle DEXRON®-VI/ MERCON® LV	ATF	CVT	DCT
Mazda ATF M-III, MV, T-IV	○	○		○		○			
Mazda CVTF 3320							○		
MB 223.2, 236.1, 236.2, 236.10, 236.12, 236.41, 236.5, 236.6, 236.7, 236.8, 236.9						○			
MB236.1, 2, 5, 6, 7, 9, 10, 11	○	○		○					
Mercedes Benz (236.20)							○		
Mercedes Benz CVT28/MB-Approval 236.20							○		
Mercon®, Ford ESP-M2C166-H	○	○		○		▲	●		
Mercon® LV (XT-10-QLV)						★			
Mercon® SP, except 6HP26/6R60/6R75						▲			
Mercon® V (XT-5-QM, XT-5-DM)				★					
Mini Cooper (EZL 799/ EZL 799A/ZF CVT V1)							○		
Mini Cooper T-IV						○			
MINI P/N 83 22 0 402 413	○	○		○		○			
Mitsubishi (CVTF-J1)							○		
Mitsubishi DiaQueen (CVTF-J1, CVTF-J4)							○		
Mitsubishi DiaQueen SK, AW, J2, J3, PA						○			
Mitsubishi TC-SST 6-speed (GFT) / MZ320065 DiaQueen SSTF-1								○	
Mopar AS 68 RC, JWS 3309						○			
NAG-1	○					○			
Nissan Matic-D, J, K, 402	○	○		○		○			
Nissan Matic, J, S						○			
Nissan (NS-1, NS-2, NS-3)							○		
Opel						○			
PDK transmissieolie voor ZF (DCT Transmission Oil for ZF)								○	
Pentosin FFL 2, 3, 4								○	
Peugeot/Citroen DCS 6-speed (GFT)/9734.S2								○	
Peugeot ZF 4HP20						○			
Porsche P/N 999 917 547 00 (A2)	○	○		○		○			
Porsche ZF 5HP19FL, ZF 5HP20, LT71141, ATF 3403-M115, T-VI, JWS 3309						○			
Punch EZL 799/EZL 799A							○		
Renault EDC 6-speed (Getrag)								○	
Renault ELFMATIC							○		
SAAB P/N 22 717 466, 93 165 147 (AW-1)	○	○		○		○			
Saturn P/N 21005966	○	○		○		○			
Saturn T-IV, GM TASA, T-IV ATF, GM WS ATF	○	○		○		○			
Shell 3403, LA 2634, Texaco 7045-E, ETL-8072B	○	○		○		○			

	Full Synthetic Multi-Vehicle	Multi-Vehicle	Type F	Mercon® V	ATF+4®	Low-Viscosity Multi-Vehicle DEXRON®-VI/ MERCON® LV	ATF	CVT	DCT
Shell 3403 M115	○	○		○		○			
Shell Green 1V								○	
Shell TF DCT-F3									○
Subaru ATF 5AT, Dex II, AT OIL 5D06						○			
Subaru ATF, ATF-HP	○	○		○		○			
Subaru (NS-2 / Lineartronic CVTF, i-CVTF, KD425Y0710, CV-30) e-CVTF								○	
Suzuki ATF 2326, 2384K, JWS 3309, 3314						○			
Suzuki 3314, 3317	○	○		○					
Suzuki (TC / NS-2 / CVTF Green 1, CVTF Green 2, CVTF 3320)								○	
Texaco N402	○	○		○		○			
Toyota D-II, D-III						○			
Toyota T-II, T-III, T-IV, WS, Ford XT8QAW	○	○		○		○			
Toyota (TC, FE)								○	
Type A						○			
Voith 55.6335 (G607)	○	○		○		○			
Volvo Passenger Car (4/6sp), Volvo 97340, 97341, 97342	○	○		○		○			
Volvo P/N 1161540-8	○	○		○		○			
Volvo Powershift 6-speed (GFT)/ 1161838/1161839									○
VW 5 HP ZF5 HP 30, 18FL, 30, 19FL, 24A, G-055-025 A2, TL 521 62						○			
VW (Audi, Seat, Skoda) 6-speed									○
VW/Audi TL 52529 (spec) / G 052 529 A2 or A6 (fluid)									○
VW/Audi TL 521 82 (spec) / G 052 182 A2 or A6 (fluid)									○
VW G 052 025, 162, 099, 055 025	○	○		○		○			
VW P/N GUS 000 162	○	○		○					
VW TL52162 (LT71141)						○			
XT-6-DSP, XT-6-DSP, except 6HP26/6R60/6R75 transmissions						▲			
ZF all 3 & 4 speed trans.						○			
ZF 845RE/870RE ZF 8HP45/8HP70/8HP90						○			
ZF/Porsche Oil #999.917.080.00									○
ZF TE-ML 03D, 04D, 05L, 09, 11B, 14A, 16L, 17 C	○	○		○		○			
ZF TE-ML 02F, TE-ML 03D, TE-ML 04D, TE-ML 09, TE-ML 11A						○			
ZF TE-ML 14A, TE-ML 14C, TE-ML 16L, ZF TE-ML 17C						○			
ZF TE-ML 14B	○	●		●		○			

★ = Approved ● = Meets Requirements ○ = Suitable for Use ▲ = SFU, Vis Requirements not met





Evolutionary Performance™

HEAVY DUTY TRUCK  
TRANSMISSION FLUID



Heavy duty truck transmissions have evolved dramatically, requiring highly specialized fluids for unique applications. One brand has evolved right alongside – MAG 1®. Only the most advanced transmission fluids meet the difficult challenges of effectively balancing performance, strength and durability.

- **Performance** - Delivers superior friction stability to maintain smooth, consistent shifting and prevent shudder.
- **Strength** - Provides a strong oil film to prevent metal-to-metal contact between rotating parts to prevent wear.
- **Durability** - Resists thickening due to high operating temperatures.

MAG 1 helps optimize the friction, torque and function of your equipment to optimize performance and longevity.

MAG 1 FULL SYNTHETIC HD 50 TRANSMISSION FLUID

MAG 1 Full Synthetic Heavy Duty 50 Transmission Fluid is formulated for use in manual transmissions that undergo severe duty and extended drain intervals. It is blended with full synthetic base stocks and advanced additives to provide outstanding cold temperature performance and protect against corrosion, oxidation and deposits.

MAG 1 FULL SYNTHETIC HEAVY DUTY AUTOMATIC TRANSMISSION OIL

MAG 1 Full Synthetic Heavy Duty Automatic Transmission Fluid is formulated for use in heavy duty truck or bus transmissions that undergo severe duty and extended drain. It is formulated with full synthetic base oil and advanced additives to provide outstanding cold temperature performance and protect against corrosion, oxidation and deposits.

PACK SIZES

	Pack Size	Product #
<b>Full Synthetic HD 50 Transmission Fluid*</b>	5 Gallon	63598
	16 Gallon	67048
	55 Gallon	67046
	330 Gallon	68246
<b>Full Synthetic Heavy Duty Automatic Transmission Fluid*</b>	3/1 Gallon	67077
	55 Gallon	67076

CLAIMS

	Full Synthetic HD 50 Transmission Fluid	Full Syn Heavy Duty Automatic Transmission Fluid
Allison TES-295**		◆
Allison TES-389**		◆
API GL-1 and MT-1	○	
Mack TO-A Plus	○	
Meritor 0-81	○	
Navistar/International TMS 6816	○	
Volvo I-Shift	○	
ZF Freedomline	○	
◆ = MAG 1 Recommended    ○ = Suitable for Use		

TYPICAL PHYSICAL PROPERTIES

Properties	Test Method	Full Synthetic HD 50 Transmission Fluid	Full Synthetic Heavy Duty Automatic Transmission Fluid
Brookfield Viscosity at -40°C, cP	ASTM D2983	18,500	8,000
Color	ASTM D1500	Red	Red
Flash Point °C	ASTM D92	218	220
Gravity, °API	ASTM D287	32.98	35.42
Pour Point °C (°F)	ASTM D5950	-51°C (-60°F)	-51°C (-60°F)
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.8603	0.8477
Viscosity @ 100°C cSt	ASTM D445	7.38	7.349
Viscosity @ 40°C cSt	ASTM D445	35.67	34.81
Viscosity Index	ASTM D2270	179	181

\*Available in Bulk

\*\*Allison TES-295 and TES-389 are registered trademarks of Allison Transmissions, Inc.





Evolutionary Performance™

**FMX** TECHNOLOGY **FRICTION MANAGEMENT FOR XTREME PROTECTION**

AGRICULTURE & CONSTRUCTION EQUIPMENT



MAG 1® Agriculture and Construction Lubricants provide unsurpassed protection even in the harshest conditions. We offer a wide range of lubrication products for most farming and construction operations that meet the difficult challenges of effectively balancing performance, strength and durability. Benefits of MAG 1:

- Outstanding thermal and oxidative stability
- Protection against component wear to extend equipment life
- Excellent pumpability in extreme cold
- Protection rust and corrosion from water contamination
- Optimally balanced frictional characteristics to ensure precise clutch and brake operation and reduce chatter

**MAG 1 UNIVERSAL TRACTOR TRANS HYDRAULIC FLUID**

MAG 1 Premium Universal Tractor Trans-Hydraulic Fluid is formulated with high-quality paraffinic base stocks, and is recommended for farm equipment with transmission final drives, wet brakes, clutches, and hydraulics supplied from a common reservoir.

**MAG 1 HYDROSTATIC MV ISO 46**

MAG 1 Hydrostatic MV ISO 46 is recommended for use in industrial hydraulic systems, skid-steer hydrostats/hydraulics, lawn and turf hydrostats/hydraulics, hydraulic systems that recommend multi viscosity and logging operations.

**MAG 1 TO-4 TORQUE FLUIDS**

MAG 1 TO-4 Torque Fluids are multipurpose lubricants designed for use in transmissions, wet brakes and hydraulic systems requiring a fluid meeting Caterpillar® TO-4 requirements. This fluid has outstanding hydraulic oil stability and allows protection against high-pressure pump wear. Available viscosities: SAE 10, SAE 30, and SAE 50.

PACK SIZES	Universal Tractor Trans-Hydraulic Fluid*		TO-4 Torque Fluid SAE 10*		TO-4 Torque Fluid SAE 30*		TO-4 Torque Fluid SAE 50*	
	Pack Size	Product #	Pack Size	Product #	Pack Size	Product #	Pack Size	Product #
	3/1 Gallon	60681	5 Gallon	66064				
	2/2.5 Gallon	00522	55 Gallon	66065				
	5 Gallon	00525	330 Gallon	65584	5 Gallon	65845		
	55 Gallon	62863			55 Gallon	62858		
	330 Gallon	65576			330 Gallon	65585	5 Gallon	65846
	Hydrostatic MV ISO 46*	3/1 Gallon	63952		55 Gallon	65848	55 Gallon	65848
					330 Gallon	66366		

TYPICAL PHYSICAL PROPERTIES						
Properties	Test Method	Universal Tractor Trans-Hydraulic Fluid	Hydrostatic MV ISO 46	TO-4 Torque Fluid SAE 10	TO-4 Torque Fluid SAE 30	TO-4 Torque Fluid SAE 50
Brookfield Viscosity at -40°C, cP	ASTM D2983	42,000	-	-	-	-
Calcium, wt. %	ASTM D5185	6.334	0.003	0.242	0.242	0.242
Color	ASTM D1500	1.5	0.5	2.0	5.0	8.0
Flash Point °C	ASTM D92	224	210	210	216	218
Flash Point °F	ASTM D92	435	410	410	420	425
Gravity, °API	ASTM D287	32.54	31.50	30.75	27.74	26.97
Oxidation Hours	ASTM D943	-	5000	-	-	-
Phosphorus, wt. %	ASTM D5185	0.13	0.033	0.092	0.092	0.092
Pour Point °C (°F)	ASTM D5950	-42°C (-44°F)	-48°C (-54°F)	-33°C (-27°F)	-30°C (-22°F)	-27°C (-17°F)
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.8626	0.8681	0.8721	0.8886	0.8929
Viscosity @ 100°C cSt	ASTM D445	9.322	7.72	6.929	11.87	19.45
Viscosity @ 40°C cSt	ASTM D445	55.13	43.93	43.25	106.6	212.6
Viscosity Index	ASTM D2270	152	146	118	100	104
Zinc, wt. %	ASTM D5185	0.139	0.041	0.11	0.11	0.11

\*Available in Bulk



Evolutionary Performance™

**FMX**® TECHNOLOGY **FRICTION MANAGEMENT FOR XTREME PROTECTION**

**CLAIMS**

	Universal Tractor Trans-Hydraulic Fluid	Ford Hydraulic Transmission SAE 90	Hydrostatic MV ISO 46	TO-4 Torque Fluid SAE 10	TO-4 Torque Fluid SAE 30	TO-4 Torque Fluid SAE 50
ABEX/Denison HF-0, HF-1, HF-2	○					
AGCO 821XL	○					
Allison C-3	○					
Allison C-4	○			●	●	●
Allison C-4, C-2	○					
API GL-1		○				
API GL-4	○					
Bosch Rexroth			○			
Case JIC 144, 145	○					
Case MS-1209, 1210, 1207, 1204	○					
CAT TDTO				○	○	○
CAT TO-2	○			○		○
CAT TO-4				●	●	●
Deutz, Allis-Chalmers Power Fluid 821	○					
DIN 51524, Part 1,2,3			○			
Ford New Holland M2C41A,B, M2C48B, M2C53A, M2C86A	○					
Ford New Holland M2C86B, M2C134A, B, C, D, (NH-410B)	○					
General Motors LS-2			○			
Grove Manufacturing Hydraulic Fluid	○					
Hesston-Fiat AF-87, Oilfiat Tutela Multi-F	○					
International Harvester Hy-Tran B-6	○					
JCMAS HK			○			
John Deere J14C, 303	○					
John Deere J20C/J20A/J21A	○					

	Universal Tractor Trans-Hydraulic Fluid	Ford Hydraulic Transmission SAE 90	Hydrostatic MV ISO 46	TO-4 Torque Fluid SAE 10	TO-4 Torque Fluid SAE 30	TO-4 Torque Fluid SAE 50
John Deere J20D						
Kubota UDT	○					
Massey Ferguson M-1110, M-1127, M-1127A, M-1127B	○					
Massey Ferguson M-1129, M-1129A, M-1135, M-1141	○					
Massey Ferguson M-1135, M-1141, M-1143, M-1145	○					
MAT 3525, 3505	○					
Oliver/White Q-1826, Q1766, Q1722, Q1766B, Q1705, Q1802, Type 55	○					
Parker Denison HF-0, HF-1			○			
Parker Denison HF-2			○			
Sauer/Danfoss (Sundstrand) ? Hydrostatic Transmission Fluid	○					
Sperry Vickers/Eaton I-286-S, M-2950-S			○			
Sperry Vickers M-2950-S Mobil Hydraulics, I-286-S Industrial Hydraulics	○					
Steiger Hyd-Trans SEMS 17001	○					
US Steel 127, 136			○			
Valmet, Yanmar, New Idea Power Units, Leyland, Belarus & Fiat	○					
Versatile Gear and Hyd-Trans	○					
Vickers				●	●	●
Vickers 35VQ25	○					
ZF TE-ML 03C				●	●	

◆ = MAG 1 Recommended ● = Meets Requirements ○ = Suitable for Use





Evolutionary Performance™

**FMX** TECHNOLOGY **FRICTION MANAGEMENT FOR XTREME PROTECTION**

TRANSMISSION ADDITIVES



Automotive transmissions have evolved dramatically, requiring highly specialized fluids for unique applications. One brand has evolved right alongside – MAG 1®. Only the most advanced transmission fluids and additives meet the difficult challenges of effectively balancing performance, strength and durability.

MAG 1 transmission additive products help optimize the friction, torque and function of your automatic transmission to maintain or improve the performance of your vehicle.

**MAG 1 AUTOMATIC TRANSMISSION FLUID WITH STOP LEAK**

MAG 1 Automatic Transmission Fluid with Stop Leak softens and conditions seals to help prevent leaks. Benefits include:

- Guards against seal hardening and distortion.
- Excellent high- and low-temperature protection.
- Stable friction properties for smooth and consistent shifting.
- Excellent shear stability.

PACK SIZES	Pack Size	Product #
	Automatic Transmission Fluid with Stop Leak	12/12 Ounces
	6/1 Quart	00909

CLAIMS	Automatic Transmission Fluid with Stop Leak	
	Dexron®-III G/H, Dexron®-II, Dexron®, AW1	
Mercon, Ford ESP-M2C166-H		●
Chrysler MS-5931		○
Ford M2C195-A		○
GM 9985010		○

● = Meets Requirements ○ = Suitable for Use

TYPICAL PHYSICAL PROPERTIES		
Properties	Test Method	Automatic Transmission Fluid with Stop Leak
Brookfield Viscosity at -40°C, cP	ASTM D2983	13,777
Color	ASTM D1500	Red
Flash Point °C	ASTM D92	204
Flash Point °F	ASTM D92	400
Gravity, °API	ASTM D287	33.61
Pour Point °C (°F)	ASTM D5950	-51°C (-60°F)
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.8570
Viscosity @ 100°C cSt	ASTM D445	7.146
Viscosity @ 40°C cSt	ASTM D445	35.18
Viscosity Index	ASTM D2270	170





## Evolutionary Performance™

MAG 1® motor oils, lubricants and chemicals are designed to keep pace with today's engine demands, requiring lighter viscosities and increased power densities. It's the only brand with FMX® Technology System, which meets the difficult challenges of effectively balancing performance, strength and durability.

### THE MEANING OF EVOLUTIONARY PERFORMANCE™

Today's engines, machinery and equipment are evolving rapidly as OEMs push for more power density, lighter viscosity oil and increased fuel or fluid efficiency. MAG 1 is leading the way in this new evolution, based on the science of advanced additives and powerful molecular structures. It's all part of our exclusive FMX Technology System that boosts performance on many levels under the most severe operating conditions.

It means, despite lower viscosities, MAG 1 still delivers extraordinary performance, strength and durability, in every grade. Even the thinnest MAG 1 oils and fluids perform better than thicker oils of the past.

MAG 1 engine oils and lubricants are chemically formulated to deliver a higher level of performance that rises to the challenge of ever-increasing demands and developments by automotive, heavy duty truck and industrial equipment manufacturers.



#### PERFORMANCE

MAG 1 delivers unsurpassed protection to control friction and wear well beyond standard industry requirements. It can also help extend engine life and improve the performance of all types of vehicles, trucks, machinery, and equipment.



#### STRENGTH

MAG 1 is bolstered by FMX Technology, which provides a very strong oil film that shields engines, parts and machinery at multiple points of contact and fights friction between rotating parts.



#### DURABILITY

MAG 1 protects as well on the last day as it does on the first. Even under the most extreme operating conditions, it retains viscosity and withstands heat and shearing.



#### EXTREME CONDITIONS

With a powerful, molecular-reinforced formulation, MAG 1 reduces engine and equipment stresses from high heat, cold starts, heavy loads, steep inclines, dusty roads, power density, and more.

### WELL-EARNED REPUTATION

MAG 1 is the brand to trust no matter what kind of vehicle you drive or equipment you operate. Manufactured in the U.S.A. by one of the world's leading suppliers of lubricants and automotive chemicals, its solid reputation and record of performance over many years is a testament to the consistent, dependable quality of every MAG 1 product.



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