AMALIE MOTOR OIL
Better than it has to be

Transmission Fluids

Dexron® VI Synthetic ATF - Mercon® V ATF Synthetic Blend - DX III-H/M ATF - Chrysler ATF+3 Type 7176E Fluid - Ford Type F Fluid
Amatran Powershift Fluids - Elixir Full Synthetic Fluid - Synthetic Manual Transmission GL-1 SAE 50

(8/10/2011 edition)

Amalie Universal Synthetic Automatic Transmission Fluid	**Amalie Universal Synthetic CVT Fluid**
See separate data sheet for more information	See separate data sheet for more information

Amalie Dexron® VI Synthetic ATF is a newly designed, fully licensed (GM J-60156), next generation fluid approved for use in passenger car and light truck automatic transmissions that require a General Motors DEXRON®-VI or earlier generation DEXRON® fluid. It is formulated to provide improved oxidation stability, shear stability, friction durability and foam resistance compared to earlier generation DEXRON® fluids. This unique fluid is specially formulated to provide twice the service life of a DEXRON®-III (H) ATF and offers enhanced performance for both new and older transmissions. It is particularly recommended for use in new GM 6-speed automatic transmissions, and is fully backwards compatible with older GM automatic transmissions. Dexron® VI Synthetic ATF also may be used in industrial and mobile hydraulic systems operating over a wide temperature range. DEXRON®-VI Synthetic ATF meets or exceeds the requirements of: GM DEXRON®-VI, Denison Hydraulics HF-0, Vickers (Eaton) M-2950-S and I-286-S, and many others as shown in the performance applications table.

Amalie Mercon® V ATF Synthetic Blend is a newly designed formulation for use in new Ford vehicle transmissions and transaxles. Especially formulated to exhibit better low-temperature flow and better shear-stability, Mercon® V meets the new Ford performance requirements of vehicles specifying Mercon® ATF, Dexron® III H, and Allison C-3 and C-4. Mercon® V is recommended for use in all transmissions, hydraulic systems, and power steering units manufactured by American, European, Korean, Japanese and other manufactures from around the world specifying Mercon V type transmission fluids.

Amalie DX III-H/M ATF is a premium multipurpose Automatic Transmission Fluid recommended for many transmission systems used throughout the world specifying Dexron®III H/Mercon ATF as well as Allison C-3 and C-4 fluids. DX III-H/M ATF is recommended for use in all transmissions, hydraulic systems, and power steering units manufactured by American, European, Korean, Japanese and other manufactures from around the world specifying Dexron®III H/Mercon® and earlier Dexron®/Mercon® type transmission fluids.

Amalie Chrysler ATF+4 is recommended for Chrysler and DaimlerChrysler transmissions recommending ATF+4, ATF+3 or ATF+2, and covered by specifications MS-9602 and MS-7176E/D. This fluid is also recommended where Allison C-3 and C-4 fluids are required. This chemistry offers excellent low temperature properties and improved anti-shudder properties. Chrysler ATF+4 Fluid is recommended for use in all transmissions, hydraulic systems, and power steering units manufactured by American, European, Korean, Japanese and other manufactures from around the world specifying Chrysler ATF+4, ATF+3 or ATF+2 Type Fluids.

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Amalie Ford Type F Fluid is an excellent, durable and economical product that may be used wherever a 2-P or M2C33-F fluid is recommended or required. This fluid meets Allison C-3 specifications and may be used in certain hydraulic systems that require anti-wear hydraulic oil. Ford Type F fluid is recommended for use in all transmissions, hydraulic systems, and power steering units manufactured by American, European, Korean, Japanese and other manufactures from around the world specifying Ford Type F fluid type transmission fluids.

Amalie Amatran Powershift Fluids meet or exceed Caterpillar's newest heavy duty TO-4 transmission requirements, providing greater extended transmission durability over the previous TO-2 fluid. In the market place this fluid is referred to as a "TDTO" fluid. The Amatran Powershift fluids may also be used as a diesel crankcase oil meeting the API CF and CF-2 performance classifications and wherever Allison C-4 fluid is recommended. Amatran is offered in three SAE grades: 10W, 30 and 50.

Amalie Elixir Full Synthetic GL-5 75W-90 is the ultimate gear oil system meeting all OEM performance targets and provides maximum protection for all gear sets as well as helping to improve fuel economy while promoting longer gear life. Amalie Elixir Full Synthetic GL-5 75W90 is a 100% synthetic base oil product coupled with a robust additive system and an improved viscosity modifier to give you a high viscosity index, low pour-point, synthetic gear oil providing reduced friction, fuel savings, better low temperature start-up protection and longer life than most conventional gear oils. This superior high performance gear oil is formulated to meet the requirements of the American Petroleum Institute's (API) Service Classification GL-5 and MT-1; MIL-PRF-2105E; SAE J-2360: Dana Corp. (including Eaton Axles); Eaton 750,000 mile warranty coverage and 500,000 mile oil drain intervals capabilities; General Electric D 50E9C; (P&H) 474; Mack Truck GO-J Plus; ArvinMeritor (including former Rockwell axels) and Rockwell International 0-76-E.

Amalie Synthetic Manual Transmission GL-1 SAE 50 oil is recommended for use in trucks and busses that have manual transmissions such as Eaton-Fuller/Road Ranger that require 750,000 mile long-drain GL-1 gear oils. This Full-Synthetic GL-1 50 is recommended for use in Eaton Division 121-R3 and Rockwell International 0-81 transmissions. This oil may be used wherever extended drain intervals of 500,000 miles are required or wherever GL-1 SAE 50 oils are recommended.

Some performance levels are limited by viscosity grades. Please consult the Amalie Performance Application Chart, the Amalie Inspection Data Table for the appropriate Amalie product or contact your Amalie District Manager for more complete information and recommendations.

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TYPICAL INSPECTION DATA

	API Gravity	Flash Point,C.	Viscosity, cSt @100C	Viscosity, cSt @40C	VI	Brookfield Viscosity	Pour Point,C
Dexron® VI Synthetic ATF							
5W-20	35.0	190	6.1	30.1	160	<15,000	-51
Mercon® V ATF Synthetic Blend							
0W-20	31.7	190	7.20	32.9	190	<13,000	-52
DX III-H/M ATF							
5W-20	32.5	190	7.10	34.6	170	<20,000	-49
Chrysler ATF +4							
5W-20	31.5	190	7.50	34.5	180	<15,000	-40
Type F Fluid							
10W-20	31.5	190	7.40	35.8	165	<50,000	-46
Amatran Powershift Fluid							
10	26.5	200	6.30	40.7	100	-	-27
30	28.7	220	10.90	95.0	100	-	-18
50	26.7	240	17.70	209.0	100	-	-9
Elixir Full Synthetic GL-5							
75W-90	27.5	210	17.00	130.0	142	<150,000	-45
Synthetic Manual Transmission GL-1							
SAE 50	23.0	220	18.00	133.0	151	-	-36

PERFORMANCE APPLICATION CHART

SPECIFICATIONS	Dexron® VI Synthetic ATF	Mercon® V ATF Synthetic Blend	DEX III-H/M	Chrysler ATF+4 Type 9602	Ford Type F Fluid	Amatran Powershift Fluids	Elixir Full Synthetic GL-5 75W-90	Synthetic Manual Transmission GL-1 SAE 50
Dexron®VI	√	-	-	-	-	-	-	-
Dexron®, Dexron® II, III H	√	√	√	√	-	-	-	-
Mercon® V, SP	-	√	-	-	-	-	-	-
Mercon®	-	√	√	√	-	-	-	-
Chrysler 9602 (ATF+4)	-	-	-	√	-	-	-	-
Chrysler 7176D,E (ATF+3,ATF+2)	-	-	-	√	-	-	-	-
Allison C-4	-	√	-	√	-	-	-	-
Caterpillar TO-2	-	√	√	√	-	-	-	-
Caterpillar TO-4	-	-	-	-	-	√	-	-
GM Type A	√	√	√	√	-	√	-	-
Ford M2C33-A/B; M2C138-CJ M2C166-H	-	√	√	√	-	-	-	-
Ford M2C33-C/D/F/G	-	√	-	-	√	-	-	-
API GL-1	-	√	√	√	√	√	√	√
API GL-2/3/4/5	-	-	-	-	-	-	√	-
Mil-PRF-2105E	-	-	-	-	-	-	√	-
Mack GO-J/J PLUS	-	-	-	-	-	-	√	-
General Electric D 50E9C	-	-	-	-	-	-	√	-
Rockwell International O-76-E	-	-	-	-	-	-	√	-
Eaton (Fuller Division)	-	√	√	√	-	√	√	√
Eaton (Extended Warranty)*	-	-	-	-	-	-	√	√
Eaton (Extended Drain)*	-	-	-	-	-	-	√	√
Dana J-2360 (Spicer Division)	-	-	-	-	-	-	√	-
Denison HF-0/1/2	√	√	√	√	√	√	-	-
Voith G607	-	√	-	-	-	√	-	-
ZEDF TLML 09/11/14a	-	√	-	-	-	√	-	-
Power Steering Units **	√	√	√	√	√	√	-	-

Note: * Includes “Road Ranger Quality” Type
** Transmission fluids also applicable in power steering units; check owners’ manual
*** See separate product data sheet for Universal Synthetic ATF.

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