



Hi-Tec Oil Traders Pty Ltd ABN 28 053 837 362

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PRODUCT DATA SHEET

MULTITRANS PLUS ATF

DESCRIPTION

Hi-Tec MULTITRANS PLUS ATF is a premium full synthetic automatic transmission fluid approved by ZF to the ZF TE-ML 14C and ZF TE-ML 20C performance standards, as well as for use in many North American, European and Asian vehicles.

The ZF TE-ML 14C performance level allows oil and filter change intervals up to 120,000 kms or two years in ZF Ecomat powershift transmissions in buses. For trucks and off road equipment, this specification allows for oil and filter change intervals up to 1500 hours/1 year under normal service conditions or 1000 hours/1 year under severe conditions.

The ZF TE-ML 20C performance level allows oil and filter change intervals up to 120,000 kms or two years in ZF Ecolife powershift transmissions in buses.

Hi-Tec MULTITRANS PLUS ATF has exceptional oxidative resistance, anti-wear performance and frictional stability. It provides excellent antirust properties and sludge and varnish control. Its multivehicle applicability allows reduction of inventory of transmission fluids.

Hi-Tec MULTITRANS PLUS ATF meets Ford Mercon[®] V, Allison C-4, JASO 1-A, MAN 339 F, MAN 339 V1 and MAN 339 Z1, Voith 55.6335.XX (G607), Volvo 97340 and 97341, ZF TE-ML 14A, 14B and 14C and ZF TE-ML 20C requirements. It is suitable for use in equipment requiring GM Dexron[®] IIIH and Ford Mercon fluids.

CHARACTERISTICS

OUTSTANDING COLD FLOW PROPERTIES

Allows for rapid oil flow to all critical transmission components (i.e. torque converters, friction plates, planetary wheels and brake bands). More responsive and comfortable gear shifts. Minimizes 'shift shock' when gear shifts occur at low temperature. Reduced torque loss increases efficiency leading to fuel savings potential. Less fuel consumption means lower emissions.

OPTIMISED FRICTION CHARACTERISTICS

Smoother gear shifts at all ambient temperatures and load conditions. Consistent frictional properties improve driver comfort. Very long anti shudder durability for comfortable gear changes without noise, vibration or harshness. Avoids foaming tendencies in transmissions so that full-bodied lubricant is maintained to all surfaces requiring lubrication.

EXCELLENT THERMAL AND OXIDATIVE STABILITY

Viscosity change with usage remains minimal helping prevent deposits and oil thickening – this extends transmission life. Excellent transmission cleanliness under high temperature and high load conditions permits extended oil drain intervals and decreased servicing.



AUSTRALIAN FAMILY OWNED SINCE 1989





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RECOMMENDATIONS

Hi-Tec MULTITRANS PLUS ATF is an approved oil meeting the ZF TE-ML 14C and ZF TE-ML 20C transmission requirements: ZF registration No. ZF001669.

Hi-Tec MULTITRANS PLUS ATF meets Ford Mercon[®] V, Allison C-4, JASO 1-A, MAN 339 F, MAN 339 V1 and MAN 339 Z1, Voith 55.6335.XX (G607), Volvo 97340 and 97341, ZF TE-ML 14A, 14B and 14C and ZF TE-ML 20C requirements. It is suitable for use in equipment requiring GM Dexron[®] IIIH and Ford Mercon fluids.

Hi-Tec MULTITRANS PLUS ATF will provide suitable performance in numerous passenger cars applications including:

AE, Aisin Warner, Audi, BMW, Chrysler, Daimler, Ford Mercon, GM Dexron, Honda, Hyundai, Jaguar, JASO, JATCO, JWS, Kia, Mazda, Mercedes Benz, Mitsubishi, Nissan, Rover, Saab, Subaru, Toyota, Volvo, VW and ZF; as well as commercial applications including Allison, MAN, Voith and MB (see **Multitrans Plus ATF Part B** for a full list).

*** Note: Hi-Tec MULTITRANS PLUS ATF is not suitable for use with Continuously Variable Transmissions, Dual Clutch Transmissions or Ford Type F applications.**

TYPICAL TEST

Density, Kg/L	@ 15°C
Viscosity, cSt	@ 40°C
	@ 100°C
Viscosity Index	
Brookfield, cP,	@ -40C
Colour	Visual
Pour Point, °C	ASTM D97
Flash Point, °C	ASTM D92
Foam	ASTM D892
Rust Protection	ASTM D130, 665A
FZG, Fail Load	DIN 513554

MULTITRANS PLUS ATF

0.838
41.47
7.78
160
12,000
Red
-50
210
Pass
Pass
>12

Item Code: HI3-2677-

Available in: Bulk, 200 Litres, 60 Litres, 20 Litres, 5 Litres, 1 Litre

"Hi-Tec Oil Traders Pty Ltd (Hi-Tec Oils) has endeavoured to ensure that all information, representations and specifications contained in this product data sheet are accurate at the time of publication. This general information should be used in conjunction with appropriate inquiries by users of the product including consultation with the vehicle or equipment manufacturers published information.

It is the responsibility of users of the product to use the product safely. Users should consult the safety data sheets for each product at www.hi-tecoils.com.au. Hi-Tec Oils takes no responsibility for injury or damage if the product is used in an inappropriate or unsafe manner. Our product warranty and product quality statement can be viewed at www.hi-tecoils.com.au"

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