PERFORMANCE

Premium Synthetic Multi-Service ATF

Type TES-295 / C4

SWEPCO 712 Premium Synthetic Multi-Service ATF is a high performance ***multi-service*** lubricant formulated to deliver unsurpassed performance in demanding over-the-road powershift and a wide range of other automatic transmission service. SWEPCO's superior blend of synthetic base stocks and advanced additive chemistry provide unsurpassed extended drain protection from the most common problems associated with automatic transmissions and drive train components . . . including poor shift quality, power robbing overheating, high temperature oxidation, performance robbing deposits, costly rust, component wear and short drains.

KEY BENEFITS

- Insures maximum performance and life for latest generation of high efficiency planetary transmissions requiring **Allison® TES-295, TES-468, C4, Dexron® IIIH, Mercon®, Mercon V®, Jaso 1A** or similar fluids
- For standard or severe service in over-the-road conditions
- Excellent shear stability, oxidation resistance, friction stability and wear control in extended service
- Extends drain intervals beyond conventional oils
- Insures smooth, positive shift quality, even in cold weather
- Faster warm ups
- Helps improve fuel economy
- Unsurpassed protection against deposit formation, varnish, corrosion, sludge, wear and rust
- Exceeds performance of many OEM branded oils
- Compatible with common seal and part materials
- UV dye makes identification of leaks easy

Unsurpassed Performance & Protection for Stressed Drive Train Components

TRUCKING

TRANSIT

CONSTRUCTION

MUNICIPAL

Enjoy better performance, longer drains and maximum over-the-road transmission life with SWEPCO 712.

Feature	Benefit
100% Synthetic Base Stock	• Gives a more uniform viscosity over a wide temperature range • Superior thermal stability prevents "varnish" deposits on valve assemblies, gearing • Better low temperature flow characteristics to help reduce start-up wear
Oxidation Inhibitor	• Reduces oil thickening, maximizes fuel economy as oil does not significantly thicken • Helps prevent sludge, varnish and carbon deposits that can lead to clutch slippage • Retains excellent hydraulic qualities to insure proper response and shifting
Special Dispersants	• Keeps impurities harmlessly suspended in fluid and helps clean gum and other harmful deposits which cause valve malfunction
Rust and Corrosion Inhibitor	• Bonds to metal surfaces to keep moisture and acids from penetrating and attacking • Prevents formation of rust particles that interfere with hydraulic valve mechanisms
Anti-Foam Additive	• Can lower operating temperatures by dispersing foam and releasing trapped heat • Insures proper response and smooth gear changes thus preventing erratic shifting • Controls fluid level and minimizes loss through vent tube
Oiliness Additive	• Enables the oil to penetrate the surface for better lubrication
Anti-Wear Inhibitor	• Helps prevent friction and wear on gears and heavy loaded clutch plates • Increases durability of friction discs, less slip time • Helps prevent metal-to-metal contact and insures longer transmission life
Extreme Pressure Additive	• Improves film strength of the oil giving it the ability to withstand extreme pressures • Superior copper corrosion protection
Proper Frictional Performance	• Insures shift-feel smoothness and smooth lock-up characteristics • Stable friction, compatible with both metallic and non-metallic materials • Eliminates transmission shudder, chatter and noises
Pour Point Depressant Additive	• Superior low temperature fluidity and reduced start-up wear
Seal Compatibility	• Compatible with fluoroelastomer seals • Prevents shrinkage of seals, eliminates leakage and loss of fluid • Reduces potential maintenance expense of seal replacement
Long Life	• Lengthens drain cycles and reduces maintenance labor and waste oil disposal costs
Multi-Purpose Formulation	• Designed for major OEM transmission/drive train oils, power shift transmissions, torque converters, hydraulic & hydrostatic transmissions requiring viscosities over 7 cst • Reduces inventory and lubrication errors to save you money
Lab*Tec*℠ Fluid Analysis Program	• Can maximize equipment and lubricant life and pinpoint impending problems • Reduces waste

Typical Physical Properties:

Density, @ 60°F, Lbs./Gal.(kg./L.)	7.04 (0.84)
Viscosity	
cSt @ 40°C	37.9
cSt @ 100°C	7.19
Pour Point, °F (°C)	-49 (-45)
Brookfield @ -40°C, cP	<4,300
Flash Point (COC), °F (°C)	482 (250)
Color	Red

Typical Performance Properties:

Copper Strip Corrosion, ASTM D-130	1a
Rust Test, ASTM D-665	Pass
FZG Gear Scuffing, stage	>12
Shear, KRL, KV100, 20 hr, ASTM D-4683, DIN 51350-6, CEC L-45-T-53, cSt	>6.5
Oxidation Stability, ASTM D-943, Hours	>600
Demusibility, ASTM D-1401,10 minutes	40/40/0
Foam @95°C, ASTM D-892	0
Foam @135°C, ASTM D-892	0
Seal Compatibility, ASTM D-6546	Pass

Meets/Exceeds Performance Requirements of:

- Allison® TES-295, TES-468 and C-4
- Dexron® IIIH
- Mercon® and Mercon® V
- Jaso 1A/M315-2002 to include Aisin Warner/JWS 3309; Daewoo; Daihatsu Alumix ATF Multi; Honda/Acura ATF Z-1 except CVT; Subaru ATF; Hyundai/Kia/Mitsubishi SP-II, SP-III; Mazda ATF D-III and ATF M-3; Nissan Matic Fluid C, D, J; Suzuki ATF Oil and ATF Oil Special; Toyota Type T, T-II, T-III, T-IV Jatco Automatic Transmission
- Voith H55.6335 & H55.6336
- ZF TE-ML 14A/20A & 14B/20B

Suitable for Use in the Following Applications:

BMW LT71141; Chrysler/Jeep ATF+3, ATF+4; Jaguar Idemitsu K-17; Land Rover N402; Mercedes 236.01, 236.02, 236.03, 236.05, 236.06, 236.07, 236.10, 236.11; Nissan Matic K; Voith G607/G1363; VW/Audi G 052-025-A2, G 052-162-A1; ZF TE-ML 16L/17C; ZFN 13015

Not Recommended for the Following:

Constant velocity transmissions (CVT), dual clutch transmissions (DCT) or transmissions requiring non-friction modified fluids, such as Ford Type F fluid.

A Product of SPX Technology™.

... the cutting edge performance SWEPCO Customers have come to expect since 1933

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