

UNITED OPTIMUM SYN-UNIGEAR S5

Product Description

High performance heavy-duty synthetic manual transmission fluid for use in heavy duty truck synchronised commercial vehicle manual transmission systems. It specially tunes friction characteristics to contribute smooth shifting performance, and extreme pressure (EP) protection promotes resistance to component scuffing and wear, helping reduce the frequency of maintenance.

Formulated with synthetic base fluids and polyalphaolefin (PAO) in combination with a high performance additive system, the fluid offers a drain capability of up to 300,000 km or 3 years. It meets the MAN specifications MAN 341 Type Z2 and MAN 342 Type M3 & S1 for total driveline applications and is suitable for use for DAF, IVECO, RENAULT and VOLVO heavy duty trucks.

Applications / Benefits

- * Exceptional thermal stability and resistance to high temperature oxidation
- * Excellent shear stability
- * Outstanding low temperature fluidity versus mineral oil
- * Enhanced frictional properties, Improved fuel economy and improved shiftability

Typical Characteristics

Test Description	Method	Unit	
SAE Viscosity Grade	SAE J 300	-	75W-90
Density @ 15 °C	ASTM D 4052	kg/L	0.858
Flash Point	ASTM D 92	°C	220
Pour Point	ASTM D 97	°C	-42
Kinematic Viscosity @ 40°C	ASTM D 445	cSt	74.5
Kinematic Viscosity @ 100°C	ASTM D 445	cSt	14.3
Viscosity Index	ASTM D 2270	-	201

Specifications, Approvals & Recommendations

* API	GL-5
* API	MT-1
* ARVIN MERITOR	O-94
* ARVIN MERITOR	O-76-E
* DAF	where TE-ML 02B & SAE J2360 is present
* DETROIT DIESEL	DFS 93K219.01
* IVECO	where TE-ML 02B & SAE J2360 is present
* MACK	GO-J
* MERCEDES BENZ	235.8
* MAN	341 GA 1
* MAN	341 TYPE Z2
* MAN	342 TYPE M3
* MAN	342 TYPE S1
* MIL	PRF-2105E
* RENAULT	where TE-ML 02B & SAE J2360 is present
* SAE	J2360
* SCANIA	STO 1:0
* SCANIA	STO 1:1 G
* SCANIA	STO 2:0A FS
* VOLVO	97312
* ZF	TE-ML 02B
* ZF	TE-ML 05A
* ZF	TE-ML 07A
* ZF	TE-ML 12B
* ZF	TE-ML 12L
* ZF	TE-ML 12N
* ZF	TE-ML 16B
* ZF	TE-ML 16F
* ZF	TE-ML 17B
* ZF	TE-ML 19C
* ZF	TE-ML 21A
* ZF	TE-ML 24A

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6415G34GL5REV1

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