

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

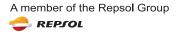
| Test Description | Method | Unit | |
|---|---|----------------------------------|---|
| SAE Viscosity Grade Density @ 15 °C Flash Point Pour Point Kinematic Viscosity @ 40°C Kinematic Viscosity @ 100°C Viscosity Index | SAE J 300 ASTM D 4052 ASTM D 92 ASTM D 97 ASTM D 445 ASTM D 445 ASTM D 2270 | -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

ISSUED BY UNITED OIL COMPANY PTE. LTD. TEL: (65) 6861 1157 FAX: (65) 6861 3101

www.united-oil.com

ISSUED BY UNITED OIL COMPANY PTE. LTD. TEL: (65) 6861 1157 FAX: (66) 6861 1310 WWW.UINITEQ-OIL.COM Furnishing the information contained herein does not constitute a representation by United that any product or process is free from patent infringement claims of any third party nor does it constitute the granting of a license under any patent of United or any third party. United assumes no liability for any infringement which might arise out of product. The information and suggestions for use and application presented herein represent the best information available to us and believed to be reliable. They should not, however, be construed as controlling suggestions, and users urged to conduct confirmatory test to determine final suitability for their specific end uses. United warranty only that its product meet the specifications which it sets for them and specifically DISCLAIMS ALL OTHER WARRANTS relating to the products and the application thereof. EXPRESS or IMPLIED including but not limited to warrants of MERCHANTABILITY and FITNESS.





Specifications, Approvals & Recommendations

| * | API | GL-5 |
|---|----------------|--|
| * | API | MT-1 |
| * | ARVIN MERITOR | 0-94 |
| * | ARVIN MERITOR | 0-76-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 |
| | | |

Reference No. 6415G34GL5REV1 Last revised date: 27/9/2023

ISSUED BY UNITED OIL COMPANY PTE. LTD. TEL: (65) 68611157 FAX: (65) 68613101 www.united-oil.com Furnishing the information contained herein does not constitute a representation by United that any product or process is free from patent infringement claims of any third party nor does it constitute the granting of a license under any patent of United or any third party. United assumes no liability for any infringement which might arise out of product. The information and suggestions for use and application presented herein represent the best information available to us and believed to be reliable. They should not, however, be construed as controlling suggestions, and users urged to conduct confirmatory test to determine final suitability for their specific end uses. United warranty only that its product meet the specifications which it sets for them and specifically DISCLAIMS ALL OTHER WARRANTS relating to the products and the application thereof. EXPRESS or IMPLIED including but not limited to warrants of MERCHANTABILITY and FITNESS.