

UNITED PLATINUM DX

Product Description

Fully Synthetic Diesel Engine oil formulated to meet heavy-duty oil API CK-4 criteria for heavy-dutyvehicles. This oil improves engine performance that are being addressed which includes oxidation stability, shear stability and aeration.

This oil not only meets API credentials, but also the latest original equipment manufacturers (OEMs) performance specifications in appropriate grades and base stocks - including Caterpillar, Cummins, Detroit Diesel, Mack, Renault, Volvo, Mercedes-Benz, MAN, and Ford. It also meets the self-certifying requirements of ACEA E9.

Applications / Benefits

- * Better engine protection, minimizes oil consumption
- * Satisfies most diesel engine OEM oil demands
- * Particularly suitable for the modern diesel engine
- * Provides better fuel economy and reduces GHG emissions

Typical Characteristics

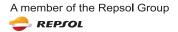
Density @ 15 °C ASTM D 4052 kg/L 0.860 0.860 0.861 Flash Point ASTM D 92 °C 224 226 230 Pour Point ASTM D 97 °C -30 -30 -27	Test Description	Method	Unit			
Kinematic Viscosity @ 100°C ASTM D 445 cSt 11.7 14.5 14.5 Viscosity Index ASTM D 2270 - 145 157 150 TBN ASTM D 2896 mgKOH/g 9.8 9.8 9.8 HTHS ASTM D 5481 cP ≥2.9 ≥3.5 ≥3.7	Density @ 15°C Flash Point Pour Point Kinematic Viscosity @ 40°C Kinematic Viscosity @ 100°C Viscosity Index TBN	ASTM D 4052 ASTM D 92 ASTM D 97 ASTM D 445 ASTM D 445 ASTM D 2270 ASTM D 2896	kg/L °C °C cSt cSt - mgKOH/g	0.860 224 -30 77.3 11.7 145 9.8	0.860 226 -30 95.8 14.5 157 9.8	230 -27 99.8 14.5 150 9.8

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 1137 FAX: (65) 6861 3101 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.





Specifications, Approvals & Recommendations

- * API CK-4
- * API SN IN SAE 10W40 AND SAE 15W40
- * ACEA E7
- * ACEA
- E9 * ALLISON TES 439 IN SAE 15W40
- * CATERPILLAR ECF-3
- * CUMMINS CES 20086
- * DETROIT DIESEL DFS 93K222
- * DEUTZ DQC III
- * FORD WSS-M2C171-F1
- * JASO DH-2
- * EOS-4.5 MACK
- * MACK EO-O Premium Plus
- * MACK EO-N
- * M3775 MAN
- * MERCEDES BENZ MB 228.31
- * MTU CAT 2.1
- * RENAULT RLD-4
- * VOLVO VDS-4.5

Reference No. 5142G3CK4REV0 Last revised date: 12/7/2023

ISSUED BY UNITED OIL COMPANY PTE. LTD. TEL: (65) 6861 1157 FAX: (65) 6861 3101 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 more does it constitute the granting of a license under any patent of United or any more not include 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.