



TCC (Typical Chemical Characteristics)

HERCULES F7 UHPD SAE 5W-30 & 10W-40

Description:

EN:
Fully synthetic engine oil with Full SAPS technology, suitable for ultra high performance diesel (UHPD) engines meeting Euro I, Euro II, Euro III, Euro IV & Euro V. It is recommended for use in engines without particulate filters, equipped with EGR or equipped with SCR NOx reduction system.

EL:
Πλήρως συνθετικό λιπαντικό κινητήρων με Full SAPS τεχνολογία, ιδανικό για πετρελαιοκινητήρες υπέρ υψηλής απόδοσης (UHPD). Συνιστάται για κινητήρες χωρίς φίλτρα σωματιδίων και για κινητήρες εφοδιασμένους με συστήματα EGR ή SCR NOx όπου απαιτείται η τεχνολογία Full SAPS.

DE:
Vollsynthetisches Motoröl der Full SAPS- Technologie für Hochgeschwindigkeits- und Ultra-Hochleistungs-Dieselmotoren (UHPD) nach Euro I, II, III, IV & V. Empfohlen für Motoren ohne Partikelfilter und mit EGR und SCR NOx Reduktionssystemen.

FR:
Huile moteur entièrement synthétique de la technologie Full SAPS pour moteurs diesel de grande vitesse et de très haute performance (UHPD) répondant aux Euro I, II, III, IV et V. Recommandée pour les moteurs sans filtres à particules, avec EGR et système de réduction SCR NOx.

RU:
Полностью синтетическое моторное масло, изготовленное по технологии Full SAPS и предназначенное для высокоскоростных и сверхмощных дизельных двигателей (UHPD), соответствующих классам Евро I, II, III, IV и V. Рекомендуется для двигателей без сажевых фильтров, с системами рециркуляции ОГ и системами очистки от оксидов азота на основе селективного каталитического восстановления.



RS Laboratory: 02.10.2020 - Chemical Engineer: Pericles Kateris

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Characteristics:

Property	Method	Unit	5W-30	10W-40
Code	-	-	RDHF7053	RDHF7104
Specific Gravity 15°C	ASTM D 1298	kg/L	0,870	0,878
Viscosity at 100°C	ASTM D 445	cSt	9,3 - 12,5	12,5 - 16,3
Viscosity Index	-	-	>145	>130
Pour Point	ASTM D 97	°C	<-35	<-30
Flash Point	ASTM D 92	°C	>205	>210
Total Base Number	ASTM D 2896	mgKOH/g	>12,5	>9,0
Color	-	-	Crystal gold	Crystal gold
Cold Cranking Simulator	ASTM D 5293	mPa-s	<6600 @ -30°C	<7000 @ -25°C

Specifications:

SAE 5W-30:

ACEA: E4-16 & E7-16,
JASO: DH-2-17, DAF Extended drain,
MB p228.5/p235.28, Volvo VDS-3,
MTU Type 3, Scania LDF-3, MAN M3277,
Renault RXD / RLD / RLD-2 / RD-2,
Mack EO-N, Cummins CES 20077,
Deutz DQC IV-10, JASO DH-2,
Ford WSS-M2C212-A1
& Voith Retarder Oil Class B

SAE 10W-40:

ACEA: E4-16 & E7-16,
API: CF,
DAF Extended Drain,
MAN M3277, MB p228.5,
Scania LDF, LDF-2 & LDF-3
& Volvo VDS-3

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