



TCC (Typical Chemical Characteristics)

HERCULES FS UHPD SAE 10W-40

Description:

EN:

Semi synthetic engine oil with Full SAPS technology enriched with high quality additives for high speed and 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:

Ημισυνθετικό λιπαντικό για πετρελαιοκινητήρες υψηλών αποδόσεων τύπου Euro III, IV & V χωρίς σύστημα DPF. Είναι ιδανικό για συστήματα EGR & SCR στα οποία ο κατασκευαστής προτείνει τεχνολογία λιπαντικών με Full SAPS. Μπορεί να χρησιμοποιηθεί για μεγάλα διαστήματα αλλαγής λαδιών αφού προσφέρει τέλεια λίπανση και αντοχή ενώ διατηρεί καθαρά τα εσωτερικά μέρη του κινητήρα. Έχει ειδική σύνθεση ώστε να διατηρεί τα χαρακτηριστικά του ακόμα και σε χρήσεις καυσίμων με διαφορετική περιεκτικότητα σε θείο, άκρως σημαντικό για οχήματα που ταξιδεύουν μεγάλες αποστάσεις και σε χώρες του εξωτερικού.

DE:

Halbsynthetisches Motoröl der Full SAPS-Technologie, angereichert mit Additiven hoher Qualität für Hochgeschwindigkeits- und Ultra-Hochleistungs-Dieselmotoren (UHPD) nach Euro I, Euro II, Euro III, Euro IV & Euro V. Empfohlen für Motoren ohne Partikelfilter, die mit einem EGR oder SCR NOx Reduktionssystem ausgestattet sind.

FR:

Huile moteur semi-synthétique avec technologie "Full SAPS" enrichie avec des additifs de haute qualité pour moteurs diesel à grande vitesse et de très haute performance (UHPD) répondant aux Euro I, Euro II, Euro III, Euro IV et Euro V. Recommandée pour une utilisation en moteurs sans filtres à particules, équipés de EGR ou de système de réduction SCR NOx.

RU:

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

BG:

Полусинтетично масло с висококачествени добавки за дизелови двигатели с изключително високи показатели (UHPD). Препоръчва се за двигатели без филтър за твърди частици и за такива с EGR система или система за намаляване на отработените газове, при които производителите препоръчват употребата на Full SAPS масла. Покрива стандартите Euro I, Euro II, Euro III, Euro IV и Euro V дори при изключително тежки експлоатационни условия.

RS Laboratory: 02.10.2020 - Chemical Engineer: Pericles Kateris

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Characteristics:

Property	Method	Unit	10W-40
Code	-	-	RDHFS104
Specific Gravity 15°C	ASTM D 1298	kg/L	0,878
Viscosity at 100°C	ASTM D 445	cSt	12,5 - 16,3
Viscosity Index	-	-	>130
Pour Point	ASTM D 97	°C	<30
Flash Point	ASTM D 92	°C	>210
Total Base Number	ASTM D 2896	mgKOH/g	>9,0
Color	-	-	Crystal gold
Cold Cranking Simulator	ASTM D 5293	mPa-s	<7000 @ -25°C

Specifications:

ACEA: E7-16,
API: CI-4/SL, JASO: DHD-1,
MB p228.3, MAN M3275-1,
Volvo VDS-3, MTU Type 2,
Renault RLD-2, Mack EO-N,
Deutz DQC III-10, Caterpillar ECF-1A
& Cummins 20076/77



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