



**Description:**

EN:

New generation Synthetic engine oil with Mid SAPS technology, ideal for Ultra High Performance Diesel (UHPD) engines which requires the Low SAPS or even the Full SAPS technology. It's synthesis makes it a Universal Diesel Engine Oil (UDEO) absolutely ideal for engines with or without particulate filters.

EL:

Νέας γενιάς συνθετικό λιπαντικό κινητήρων με Mid SAPS τεχνολογία. Προτείνεται για πετρέλαιο-κινητήρες UHPD που απαιτούν είτε την τεχνολογία Full SAPS είτε ακόμα την τεχνολογία Low SAPS. Η σύνθεση του ως UDEO (Universal Diesel Engine Oil) το καθιστά απόλυτα ιδανικό για χρήση σε κινητήρες με ή χωρίς ειδικούς καταλύτες μείωσης ρύπων.

DE:

Synthetisches Motoröl der „neuen Generation“ mit Mid SAPS Technologie. Empfohlen für UHPD Dieselmotoren, die entweder Full SAPS Technologie oder auch Low SAPS Technologie erfordern. Seine einzigartige Zusammensetzung als UDEO (Universales Dieselmotoröl) macht es perfekt für Gebrauch an Motoren mit oder ohne spezielle Emissionsminderungskatalysatoren.

FR:

Lubrifiant synthétique moteur nouvelle génération, Mid SAPS. Recommandé pour les moteurs diesel UHPD qui requièrent la technologie Full SAPS ou même Low SAPS. Sa composition unique UDEO (huile universelle pour moteur diesel) en fait le lubrifiant idéal pour les moteurs dotés ou non de catalyseur de réduction des émissions.

RU:

Синтетическое моторное масло нового поколения с технологией Mid SAPS (среднее содержание серы, фосфора и сульфатных зол). Рекомендуются для дизельных двигателей со сверхвысокими нагрузками, которые требуют либо технологии Full SAPS, либо технологии Low SAPS. Уникальный состав универсального масла для дизельных двигателей делает его идеально подходящим для использования в двигателях со специальными катализаторами снижения загрязнений или без них.





## TCC (Typical Chemical Characteristics)

### HERCULES M9 SAE 5W-30 & 10W-40

#### Characteristics:

Property	Method	Unit	SAE 5W-30	SAE 10W-40
Code	-	-	RDHM9053	RDHM9104
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	>145
Pour Point	ASTM D 97	°C	<-35	<-35
Flash Point	ASTM D 92	°C	>205	>210
Total Base Number	ASTM D 2896	mgKOH/g	>12,5	>12,5
Color	-	-	-	-
Cold Cranking Simulator	ASTM D 5293	mPa-s	<6600 @ -30°C	<7000 @ -25°C

#### Specifications:

##### **SAE 5W-30:**

ACEA: E4 / E6 / E7 & E9, API: CK-4,  
JASO: DH-2-17 / DH-1-17 / DL-0-17,  
MB 228.31 / 228.51, Scania LDF-4,  
MAN M3677 / M3777,  
Volvo VDS-4.5. MTU Type 3.1 / 2.1,  
Renault RLD-4, Iveco TLS-E9/E6,  
Caterpillar ECF-1A / ECF-2 / ECF-3,  
Mack EOS-4.5, Deutz DQC IV-10 LA,  
Detroit Diesel DFS-93K222 / DFS-93K218  
& ECF-3 & Cummins 20081 / 20086

5L	18L	60L	204L
<b>339053057</b>	<b>339053187</b>	<b>339053607</b>	<b>339053247</b>

##### **SAE 10W-40:**

ACEA: E4 / E6 / E7 & E9, API: CK-4,  
JASO: DH-2-17, MB 228.31 / 228.51,  
Scania Low Ash, Volvo VDS-4.5,  
MAN M3271-1 / M3477 / M3575,  
MTU Type 3.1 / 2.1, Renault RLD-4,  
Caterpillar ECF-1A / ECF-2 / ECF-3,  
Mack EOS-4.5, Deutz DQC IV-10 LA,  
Detroit Diesel DFS-93K222  
& Cummins 20081 / 20086

5L	18L	60L	204L
<b>339104057</b>	<b>339104187</b>	<b>339104607</b>	<b>339104247</b>

RS Laboratory: 08.12.2022

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## TCC (Typical Chemical Characteristics)

### HERCULES M9 SAE 5W-30 & 10W-40

#### Package:

4x5L Carton / 1x18L Pail / 1x60L Mini-Drum / 1x204L Drum



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