



## TCC (Typical Chemical Characteristics)

### HERCULES M6 SAE 10W-40 & SAE 10W-30

#### Description:

EN

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

EL

Νέο υψηλής τεχνολογίας ημισυνθετικό λιπαντικό με τεχνολογία Mid SAPS για υψηλής ταχύτητας και υψηλής απόδοσης πετρελαιοκινητήρες που απαιτούν από τον κατασκευαστή τους είτε Low SAPS τεχνολογία αλλά είτε Full SAPS τεχνολογία. Παρέχει στον κινητήρα τέλεια λίπανση και αντοχή κατά της φθοράς ακόμα και σε αντίξοες καιρικές ή μηχανικές συνθήκες.

DE:

Neues Hightech halbsynthetisches Öl mit Mid SAPS Technologie für hohe Geschwindigkeiten und hohe Leistung bei Dieselmotoren, die von ihrem Hersteller entweder Low SAPS Technologie oder Full SAPS Technologie erfordern. Es bietet perfekte Schmierung des Motors und die Beständigkeit gegenüber Verschleiß, auch unter ungünstigen Witterungs- oder mechanischen Bedingungen.

FR:

Nouveau lubrifiant semi-synthétique haute technologie Mid SAPS, pour une vitesse élevée et une excellente performance des moteurs diesel dont le fabricant recommande l'utilisation de lubrifiants Low SAPS ou Full SAPS. Offre au moteur une lubrification et une résistance parfaites à l'usure, même sous des conditions météorologiques ou mécaniques défavorables.

RU:

Новый высокотехнологичный полусинтетический смазочный материал с технологией Mid SAPS (среднее содержание серы, фосфора и сульфатных зол) для высокоскоростных дизельных двигателей с высокой производительностью, изготовитель которых требует либо технологии Low SAPS (низкое содержание серы, фосфора и сульфатных зол), либо технологии Full SAPS (высокое содержание серы, фосфора и сульфатных зол). Обеспечивает идеальную смазку двигателя и стойкость к износу, даже при неблагоприятных погодных и механических условиях.



RS Laboratory: 01.10.2020 - Chemical Engineer: Pericles Kateris

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## TCC (Typical Chemical Characteristics)

### HERCULES M6 SAE 10W-40 & SAE 10W-30

#### Characteristics:

| Property                | Method      | Unit    | SAE 10W-40    | SAE 10W-30    |
|-------------------------|-------------|---------|---------------|---------------|
| Code                    | -           | -       | RDHM6104      | RDHM6103      |
| Specific Gravity 15°C   | ASTM D 1298 | kg/L    | 0,879         | 0.875         |
| Viscosity at 100°C      | ASTM D 445  | cSt     | 12,5 - 16,3   | 9,3 - 12,5    |
| Viscosity Index         | -           | -       | >145          | >145          |
| Pour Point              | ASTM D 97   | °C      | <30           | <30           |
| Flash Point             | ASTM D 92   | °C      | >210          | >205          |
| Total Base Number       | ASTM D 2896 | mgKOH/g | >12           | >12           |
| Color                   | -           | -       | Crystal gold  | Crystal gold  |
| Cold Cranking Simulator | ASTM D 5293 | mPa-s   | <7000 @ -25°C | <7000 @ -25°C |

#### Specifications:

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

ACEA: E6-16 / E7-16 / E9-16,  
API CI-4, MB p228.51, Volvo VDS-3,  
MTU Type 3.1, MAN M3477 / M3271-1,  
Renault RLD-2, IVECO NG-2, Deutz DQC IV-10 LA,  
Mack EO-N, Detroit Diesel 93K218 & Cummins CES 20076/77

##### **SAE 10W-30:**

ACEA: E6-16 / E7-16 / E9-16,  
API CI-4, MB p228.51, Volvo VDS-3,  
MTU Type 3.1, MAN M3477 / M3271-1,  
Renault RLD-2, IVECO NG-2, Deutz DQC IV-10 LA,  
Mack EO-N, Detroit Diesel 93K218 & Cummins CES 20076/77



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