

# DIESEL DH-1/ CF

## Diesel engine oil for large vehicles

**DIESEL DH-1/CF** is an engine oil that meets the JASO DH-1 and CF standards, which is optimal for large vehicles such as buses and trucks (without diesel particulate filters: DPF). The JASO DH-1 standard was established in October 2000 and is applicable to HD (heavy-duty) engines that comply with long-term emission regulations and earlier regulations or buses and trucks that use diesel fuel with 500 mass ppm sulfur or more.

### ● Special Features

#### 1. Outstanding Fuel-Saving Performance

**DIESEL DH-1/CF** is a multi-grade oil available in 10W-30 and 15W-40, which exhibits outstanding fuel-saving performance throughout all seasons.

#### 2. Excellent Engine Performance

Due to the high output and severe operating conditions of diesel engines, engine oil with excellent thermal stability, engine cleanliness performance, and anti-wear performance is required.

**DIESEL DH-1/CF** exhibits excellent oxidation stability, engine cleanliness, and sliding-type valve train wear resistance, due to a balanced blend of carefully selected oxidation inhibitors, detergents, and anti-wear agents.

### ● Applications

**DIESEL DH-1/CF** is optimal for diesel engines without DPF.

- (1) For large trucks and buses used for long-distance transport, for which fuel economy is of prime concern.
- (2) For diesel-powered earthmoving and construction machinery used year-round.
- (3) For various agricultural machinery (tractors, etc.)

### ● Containers

200-liter drum and 20-liter pail can

### ● Typical properties of DIESEL DH-1/CF

JASO standard	DH-1	DH-1
API grade	Equivalent to FC	Equivalent to FC
SAE viscosity grade	10W-30	15W-40
Color (ASTM)	L3.0	L3.5
Density(15°C), g/cm <sup>3</sup>	0.886	0.889
Kinematic viscosity (40 °C), mm <sup>2</sup> /s	67.9	105
(100 °C), mm <sup>2</sup> /s	10.4	14.1
Viscosity index	140	136
Flash point (COC), °C	230	236
Pour point, °C	-37.5	-32.5
Acid number, mgKOH/g	2.5	2.5
Base number (ASTM D4739), mgKOH/g	10.7	10.8
Sulfated ash, mass%	1.66	1.65

Note: the typical properties are subject to change without notice. (December 2023)



## Handling Precautions

▼ Follow these precautions when handling this product.

<b>Composition :</b>	Base Oil(s), Additives
<b>Hazard pictograms:</b>	Not applicable
<b>Signal word:</b>	Not applicable
<b>Hazard Statement:</b>	Not applicable
<b>Precautionary Statements:</b>	
<b>Prevention</b>	<ul style="list-style-type: none"><li>• Do not handle until all safety precautions have been read and understood.</li><li>• Wear protective gloves/protective clothing/eye protection/face protection.</li><li>• Do not allow the eyes to become exposed to the product. Do not swallow the product.</li><li>• Wash hands thoroughly after handling.</li><li>• Do not eat, drink or smoke when using this product.</li></ul>
<b>Response</b>	<ul style="list-style-type: none"><li>• IF SWALLOWED: Immediately call a POISON CENTER/doctor.</li><li>• IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</li><li>• If the eyes are exposed to the product: Rinse the eyes with plenty of running water and immediately contact a physician.</li><li>• IF ON SKIN: Wash with plenty of soap and water.</li></ul>
<b>Storage</b>	<ul style="list-style-type: none"><li>• The product must be stored in a cool, well-ventilated location where it will not be exposed to direct sunlight.</li><li>• Containers that have been opened must be tightly sealed.</li></ul>
<b>Disposal</b>	<ul style="list-style-type: none"><li>• Dispose of contents/container in accordance with local/regional/national/international regulations.</li><li>• If there are any doubts about proper methods of handling the product, contact the point of purchase before proceeding with usage.</li></ul>