

DIESEL DH-2/CF-4

DH-2/CF-4 Diesel Engine Oils for Diesel Engines Equipped with DPF

DIESEL DH-2/CF-4 meets JASO DH-2 standards for automotive diesel engines equipped with particulate matter reduction device such as DPF (Diesel Particulate Filter) and exhaust gas after-treatment device such as catalytic converter. **DIESEL DH-2/CF-4** also satisfies API CF-4 class performance regardless of its low ash content. **DIESEL DH-2/CF-4** is a high-performance multi-grade oil that can be used for diesel vehicles with or without DPF (except for passenger cars).

● Special Features

1. Suitable for Large Vehicles Equipped with DPF

DIESEL DH-2/CF-4 meets JASO (Japanese Automotive Standards Organization) DH-2 which is the standard of diesel engine oil for the vehicle equipped with the exhaust-gas aftertreatment device such as DPF. It suppresses clogging of DPF by setting sulfated ash content (metal content in oil) to 1% by mass. It also reduces phosphorus content and sulfur content in oil, improving compatibility with exhaust gas catalysts.

2. Improve fuel economy

Since **DIESEL DH-2/CF-4** is multi-grade oil, fuel economy is better compared to single grade oil. Also, less filter clogging of the DPF prevents the rise in back pressure and maintains proper combustion state. **DIESEL DH-2/CF-4** formulated with high-performance dispersant suppresses viscosity increase due to soot contained in oil. This also keeps good fuel economy.

3. Extension of the Engine Life

DIESEL DH-2/CF-4 can extend the engine life thanks to its excellent detergency and anti-wear property, which can prevent the adhesion of the carbon sludge and the wear of engine parts.

● Applications

DIESEL DH-2/CF-4 is suitable for use in diesel engines of large trucks & buses (especially vehicles equipped with DPF).

● Containers

200-liter drums, 20-liter pail cans.

● Typical properties of DIESEL DH-2/CF-4

JASO standard Equivalent to API grade SAE grade	DH-2 CF-4 class 10W-30	DH-2 CF-4 class 15W-40
Color(ASTM)	L4.5	L4.5
Density, g/cm ³	0.880	0.884
Kinematic viscosity(40 °C), mm ² /s	68.9	106.2
(100 °C), mm ² /s	10.5	14.1
Viscosity index	140	134
Flash point (COC), °C	226	246
Pour point, °C	-32.5	-30.0
Acid number, mgKOH/g	2.3	2.2
Base number (ASTM D664), mgKOH/g	5.8	6.1
Sulfated ash, mass%	1.0	1.0

Note: the typical properties are subject to change without notice.
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Handling Precautions

▼ Follow these precautions when handling this product.

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