

MAR-0006-2104E

MARINE C705 EAST

Cylinder oil for new generation crosshead engines

Marine cylinder oil is required to be compatible with a wide range of sulfur fuel oils (S <0.1% to 3.5%) due to the tightening of exhaust gas regulations for marine engines. **MARINE C705 EAST** suppresses deposit accumulation on piston crowns, rings and liners due to excessive ash by softening the ash generated after oil combustion. **MARINE C705 EAST** is a high-base number cylinder oil that has excellent engine cleanliness and can be used for high-sulfur fuels and low-sulfur fuels.

● FEATURES

1. Cylinder oil using EAST

It is important to select base number of cylinder oils commensurate with the sulfur content in the fuel. If this balance is lost, excess alkaline components that are not used in acid neutralization will remain unburned and will accumulate in the engine as ash. Abnormal wear will occur if ash deposited on the piston head and piston land gets into the sliding parts. Ash softening technology is a method of softening ash to make it fragile and removing it together with exhaust gas (EAST: ENEOS Ash Softening Technology).

2. Eliminates ash accumulation in 70BN cylinder oil

Engine manufacturers recommend switching to 70BN cylinder oil if engine cleanliness is poor when using 40BN cylinder oil. When using normal 70BN cylinder oil, there is a concern about ash accumulation due to excess alkaline components. However, using **MARINE C705 EAST** solves this problem.

3. Cylinder oil ideal for vessels that use both low and high sulfur fuels

Navigating vessels need to use multiple cylinder oils properly when switching fuels according to the sea area. By using **MARINE C705 EAST**, it is possible to integrate oil types. **MARINE C705 EAST** is a particularly optimal

cylinder oil for vessels with only one cylinder oil tank.

● APPLICATIONS

Cylinder oil for crosshead diesel engine

● CONTAINERS

200-liter drums

● TYPICAL PROPERTIES of MARINE C705 EAST

SAE viscosity grade		50
Appearance		Dark brown liquid
Density (15°C)	g/cm ³	0.930
Flash point (COC)	°C	256
Kinematic viscosity (40°C)	mm ² /s	213.7
	(100°C)	mm ² /s
Viscosity index		113
Pour point	°C	-12.5
Base number (perchloric acid method)	mgKOH/g	71.1

Note: The values of typical properties are subject to change based on revisions of the product without notification. (November 2020)



Handling Precautions

▼ Follow these precautions when handling this product.

Composition :	Base Oil(s), Additives
Precautionary pictograms:	Not applicable
Signal word:	Not applicable
Hazard Statement:	Not applicable
Precautionary Statements:	
Prevention	<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.
Response	<ul style="list-style-type: none">• IF SWALLOWED: Immediately call a POISON CENTER/doctor.• 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.