

# Marine Gasoil 0,005% S - Dyed

Marine Gasoil, Denmark

## Description

Marine Gasoil is a low viscosity gasoil with boiling point range from 200°C. to 385°C. The Marine Gasoil is classified fire danger class III-1 in Denmark (Flash Point higher than 55°C. and lower than 100°C. and the product is not soluble in water).

## Application

Marine Gasoil is used as fuel in the marine marked. Marine Gasoil 0,005%S (50 ppm S) - Dyed contains dye substance according to Danish Tax Ministry legislation no. 983 of October 18<sup>th</sup>, 2005 regarding dyeing of gasoil and kerosene in Denmark and must only be used for applications described in the legislation.

Note: According to legislation by the Ministry of environment then Marine Gasoil 0,005% S - Dyed is not allowed for use in vehicles.

## Specification

Marine Gasoil 0,005% S - Dyed meets the requirements for DMA in ISO 8217:2017.

## Typical data

Marine Gasoil - 0,005% S	Method	Data
Density, 15 °C., g/l	EN12185	820-870
Viscosity, 40°C., cSt. Min. - Max.	ASTM D 445	1,9-3,7
Flash Point, min. °C.	EN ISO 2719	61
Sulphur, max. weight %	ASTM D 5453	0,005
Water, max. mg/kg	EN12937	150
Water, max. mg/kg	ASTM D 1744	150
Conradsen Carbon Residue - @10% distillation residue, max. vægt%	EN 10370	0,15
Ash max. weight %	EN 6245	0,01
Distillation T 85%, max. °C.	EN 3405	360

## Cold Flow Properties

	Method	Data
Cold Filter Plugging Point (CFPP), max. °C.	EN116	÷20
Cloud Point, max. °C	EN23015	÷8



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## Typical Environmental Data

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Marine Gasoil - 0,005% S	Data
SO <sub>2</sub> emission, g/l	0,08
TTW CO <sub>2</sub> emission, kg/l	2,6

## Typical Energy Data

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Marine Gasoil - 0,005% S	Data
Lower Heating value, typical MJ/kg	42,7
Energy content, kWh/l	10

## Definitions

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- Density: Mass of substance per unit volume.
- Viscosity: Is a measure of the resistance to flow.
- Flashpoint: The lowest temperature at which the fuel deliver a vapor that is flammable.
- Ash: The weight of the ash left after the oil has combusted.
- Cloud Point: The temperature at which the fuel, when cooled, begins to congeal and present a cloudy appearance owing to the formation of wax.
- CFPP: The temperature at which the fuel can be expected to block a standard filter under standard conditions due to crystallization of paraffin.
- Conradsen Carbon Residue: Is indicating the tendency of carbon generation by heating the oil with deficit of oxygen.
- Distillation, T 85%: The temperature at which 85% of the product is vaporized.

## Material Safety Data Sheet

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Guidance on Health and Safety is available on the Material Safety Data Sheet, which can be downloaded [www.dccenergi.dk](http://www.dccenergi.dk).

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