



Sulphur content of marine fuels in Iceland

2020

**-Report according to Council Directive
2016/802/EC**

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1. Introduction

1.1. Background Information

According to Council Directive 2016/802/EC, Article 14, Member States shall, on the basis of the results from the sampling, analysis and inspections carried out in accordance with Article 13, submit a report to the Commission on the compliance with the Sulphur standards set out in this Directive for the preceding year.

2. General information

2.1. Short description of the marine fuel imported to Iceland

For the year 2020 the volume imported marine fuel was 55% (v/v marine fuel was marine gasoil (MGO) and 45% (v/v) marine diesel oil (DMA). No heavy fuel oils were imported to Iceland the year 2020.

In 2020, the total amount of marine fuel imported to Iceland was approximately 176 thousand tons. This is a 17% decrease in mass from 2019.

2.1.1. Short description of the marine fuel quality monitoring system

Each fuel batch delivery is controlled by Fjölver laboratory and fuel inspection. The testing results of the fuel products are compared with the agreed product requirements and are accepted if the results are within the given specifications. The analytical data for delivered fuel batches are reported to the competent authority, The Environment Agency of Iceland.

2.1.2. Changes in Icelandic regulation

On December 5th in 2019 the national limit of Sulphur in marine fuel was decreased from 3,5% to 0,5% within the Icelandic exclusive economic zone (EEZ). Additionally, Sulphur limits in marine fuel were decreased from 0,5% to 0,1% within the Icelandic jurisdiction.

2.1.3. Marine fuel onboard foreign vessels

Ships coming to Iceland under a foreign flag are subjected to inspection by Icelandic Transport Authority who submit the last pages from the ships oil record book and bunker delivery notes to the Environment Agency of Iceland. This procedure started in September 2020 and therefore there is no data before that period.

3. Quality data for imported marine fuel in Iceland

The summary report for the relevant quality data, according to Council Directive 2016/802/EC, Article 14, for marine fuel collected in the year 2020 is shown in tables 3.1 and 3.2.

Table 3.1. The quantity of marine fuel imported in 2020 and statistics over Sulphur content.

Fuel type	Quantity (liters at 15°C)	Sulphur content (%m/m)			Maximum National limit (%m/m)	
		Minimum	Maximum	Average	Within the exclusive economic zone	Within the Icelandic jurisdiction
Heavy fuel oils	0				0,5%	0,1%
Marine gasoil	113.118.599	0,07	0,10	0,09	0,5%	0,1%
Marine diesel oil	91.404.076	0,07	0,10	0,09	0,5%	0,1%

Table 3.2. Number of samples taken per month for each marine fuel type in 2020.

Month	Number of samples taken		
	Heavy fuel oils	Marine gasoil	Marine diesel oil
January	0	2	2
February	0	3	3
March	0	2	2
April	0	3	3
May	0	2	2
June	0	3	3
July	0	4	4
August	0	3	3
September	0	3	3
October	0	2	2
November	0	1	1
December	0	2	2
Total	0	30	30

4. Sulfur content of marine fuel onboard foreign flag ships arriving in Iceland

4.1. Control of bunker delivery notes on foreign flag ships.

Each ship controlled had a two to six bunker delivery notes controlled. The Sulphur content was in 68% of times under 0,10% and in 27% of times under 0,5% and only one ship had a fuel with Sulphur content over 0,5%. This ship uses an emission abatement method.

Table 4.1. Number of controlled ships and the Sulphur content of the marine fuel onboard according to the latest bunker delivery notes.

Month	Number of ships controlled	Sulphur content in bunker delivery notes		
		<0,10%	0,10%> x <0,50%	>0,5%
September	1	1	1	
October	5	12	2	3
November	5	13	6	
December	7	17	8	
Total	18	43	17	3