



# **Sulphur content of marine fuels in Iceland 2019**

*– Report according to Council  
Directive 1999/32/EC*

*April 2020*

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# 1. Introduction

## 1.1. Background Information

According to Council Directive 1999/32/EC, art. 7, Member States shall by 30 June of each year provide the Commission with a short report on the sulphur content of the liquid fuels falling within the scope of the Directive and used within their territory during the preceding calendar year. The report shall include:

- The quantity of fuel used.
- The calculated average sulphur content.
- A record of the total number of samples tested by fuel type.

This report contains the above information for marine fuel marketed in Iceland in the year 2019.

## 1.2. Details of those compiling the report

**Table 1.1.** Details

|   |  |
|---|--|
| <b>Reporting year</b>                   | 2019                                       |
| <b>Country</b>                          | Iceland                                    |
| <b>Date report completed</b>            | 26 April 2020                              |
| <b>Institute responsible for report</b> | The Environment Agency of Iceland          |
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## 2. General information

### 2.1. Short description of the marine fuel used in Iceland

In Iceland, the most imported type of marine fuel is marine gasoil which makes up approximately 51% (v/v) of the fuel imported in the year 2019. This is close to a 4% proportional decrease from 2018. Other types of marine fuel imported are marine diesel oil, which makes up approximately 33% of the fuel imported, and heavy fuel oils, which makes up approximately 16% of the fuel imported. The import of heavy fuel oils has decreased proportionally by 2% since 2018 while the import of marine diesel oil has increased by 6% over the same period. These proportions are based on the total mass of the imported fuel types, since the different fuel types have different densities these numbers will differ slightly when using the volumes of the fuels.

In 2019, the total amount of marine fuel imported in Iceland was approximately 212 kilotonnes. This is a 17% decrease in mass from 2018.

### 2.2. 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.

### 2.3. Changes in Icelandic regulation

On December 5<sup>th</sup> in 2019 the national limit of sulphur in marine diesel oil was decreased from 3,5% to 0,5% within the Icelandic exclusive economic zone (EEZ). Additionally, sulphur limits in marine diesel oil were decreased from 0,5% to 0,1% within the Icelandic jurisdiction. Since the regulation on sulphur in marine oil was changed in December of 2019, the data in this report follows regulation standards set in May of 2018 thus fulfilling regulation standards at the time of sampling.

# 3. Quality data for marine fuel in Iceland

The summary report for the relevant quality data, according to Council Directive 1999/32/EC, art. 7, for marine fuel collected in the year 2019 is shown in tables 3.1 and 3.2.

**Table 3.1.** The quantity of marine fuel imported and statistics over sulphur content, combined results from chemical analysis of samples taken.

| Fuel type         | Quantity (litres at 15°C) | Sulphur content (%m/m) |         |         | Maximum national limit value (%m/m) |
|-------------------|---------------------------|------------------------|---------|---------|-------------------------------------|
|                   |                           | Minimum                | Maximum | Average |                                     |
| Heavy fuel oils   | 38.370.986                | 0,50                   | 1,96    | 1,225   | 3,5                                 |
| Marine gasoil     | 123.292.368               | 0,07                   | 0,10    | 0,096   | 0,1                                 |
| Marine diesel oil | 80.956.892                | 0,07                   | 0,10    | 0,093   | 1,5                                 |

**Table 3.2.** Number of samples taken per month for each marine fuel type in 2019.

| Month        | Number of samples taken |               |              |
|--------------|-------------------------|---------------|--------------|
|              | Heavy fuel oils         | Marine gasoil | Other gasoil |
| January      | 0                       | 1             | 2            |
| February     | 2                       | 2             | 2            |
| March        | 0                       | 2             | 2            |
| April        | 3                       | 4             | 4            |
| May          | 0                       | 3             | 3            |
| June         | 1                       | 4             | 4            |
| July         | 1                       | 4             | 4            |
| August       | 1                       | 3             | 3            |
| September    | 0                       | 3             | 3            |
| October      | 0                       | 2             | 2            |
| November     | 0                       | 3             | 3            |
| December     | 0                       | 3             | 3            |
| <b>Total</b> | <b>8</b>                | <b>34</b>     | <b>35</b>    |