

Heavy fuel oil



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About heavy fuel oil from SLOVNAFT, a.s.

Heavy fuel oil is fuel for industrial boilers, thermal power plants and stationary industrial equipment with pressure spraying. Its use method is determined by type, design and technological parameters of industrial equipment.

Use of heavy fuel oil as heating medium is currently in recession due to use of natural gas. Heavy fuel oil is used primarily in power and heating plants. Its manufacturers focus on its quality improvement namely by lowering of sulphur and heavy metals contents, volatile organic compounds and harmful substances in air polluting flue gases.

Heavy fuel oil production is based on heavy crude oil residuals from vacuum oil distillation and / or from secondary processing of oil residuals. It can also contain lighter shares and admixtures for treatment of flow properties of the final product.

The company SLOVNAFT, a.s. contributes to fulfilment of obligations resulting from the Kyoto protocol requesting lowering of emission of gases causing global warming (greenhouse effect) during 2008 – 2010 by 8% compared with year 1990. The company contribution to improved air quality consists of low-sulphur fuels for mobile and stationary equipment (sulphur-free fuel gasoline and diesel, heating oils with sulphur content to 1% weight) and modern technological processes producing significantly less emissions.



Quality requirements

The company SLOVNAFT, a.s. sells namely heavy fuel oil with sulphur content up to 1% weight.

List of the most important parameters and methodologies prescribed for their determination:

Parameters	Unit	Testing method	Required value	
Density at 20 °C	kg/m ³	STN EN ISO 12185	Max.	1,05
Kinematic viscosity at 100 °C	mm ² /s	STN EN ISO 3104	Max.	76
Content of mechanic impurities	% (m/m)	STN 65 6080	Max.	0.5
Water content	% (m/m)	ASTM E 203	Max.	0.5
Sulphur content	% (m/m)	STN EN ISO 8754	Max.	1.0
Flash point, open cup	°C	STN EN ISO 2592	Min.	101
Pour point	°C	STN 65 6072	Max.	20
Micro Carbon Residue Test (MCRT)	% (m/m)	STN EN ISO 10370	Max.	17
Heating value	MJ/kg	STN 65 6169	Min.	39.9

The company SLOVNAFT, a.s. also delivers heavy fuel oils with sulphur content from 1 to 2.5% weight and with agreed quality.

Commercial information

Product name	Product item	Product number	Combined nomenclature
Heavy fuel oil with sulphur content up to 1% weight	L13700	A13700	Transport: rail tank cars and boats 27101961

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Safety data sheet of each product can be found on web sites www.slovnaft.sk

