

NAME / CODE

CODE:

INDUSTRIAL: HEATING OIL 0.1/5100

5182* / 5183**

SPECIFIED: HEATING OIL 0.1 ON BOARD

Date:

Issue: 0

KSSS code:

Property code	PROPERTY	UNITS OF MEASURE	LIMITS		TEST METHODE		NOTES
			min	max	ASTM D	ISO/EN/DIN/IP	
763	Density at 15°C	kg/m3		890	1298	EN ISO 3675	1)
474	Cetane index		40,0		4737	EN ISO 4264	1)
697	Sulphur content	% wt		0,1	1552	EN ISO 8754	
768	Flash point	°C	60		93	EN ISO 2719	1)
597	Carbon residue (on 10% res.)	% wt		0,30	4530	EN ISO 10370	1)
331	Ash content	% wt		0,010	462	EN ISO 6245	1)
335	Water and sediments	% vol		0,05	1709	EN ISO 3754	
684	Viscosity at 40°C	mm ² /s	1,50	6,00	405	EN ISO 3104	
902	Distillation:					EN ISO 3405	
590	Recovered at 250 °C	% vol		64.5 / 64.9		EN ISO 3405	1) 2)
590	Recovered at 350 °C	% vol	85			EN ISO 3405	
013	Pour point:	°C				EN ISO 3016	1)
	summer	°C		0	97	EN ISO 3016	
	winter**	°C		-6		EN ISO 3016	
323	Oxidation stability	g/m3		30	2274	EN ISO 12205	
280	Appearance		Clear & Bright			VISUAL	
467	Colour (before dyed)	rating		2,5	1500		3)

NOTES:

*) Summer period 01/04-31/10

***) Winter period 01/11-31/03

1) According to ISO 8217 - DMA

2) Limit is 64.5 % v/v by Manual method and 64.9 % v/v by Automated method

3) For on board Italian dyed (green) heating oil 0,1 Ministerial decree in force requires the use of an additive and UNICHIM method need to be applied: UNICHIM 1665