

Refinery/Terminal	PORVOO	Sample number	03806501
Shore tank/Vessel	K17	Sampled	30.1.2016 15:00
Product number	150803	Vessel	MT STEN HIDRA
Batch number	236646	Loaded	
Code	DIPRO-32 08914	Destination	Riga
Selling Name	Pro Diesel winter grade		
Product	Diesel Pro -32, winter grade		
Customer	To the order of Neste Oyj		

Property	Result			Specification	
	Result	Unit	Method	Min	Max
Appearance at 25°C	1		ASTMD4176-2		2
Water coloumetric	39	mg/kg	ENISO12937		200
Density at 15°C	811,8	kg/m3	ENISO12185	800,0	840,0
Zinc, ICP	<0,5	mg/kg	ASTMD5185		0,3
Calsium (ICP)	<0,3	mg/kg	ASTMD5185		0,3
Copper (ICP)	<0,3	mg/kg	ASTMD5185		0,3
Potassium (ICP)	<0,3	mg/kg	ASTMD5185		0,3
Magnesium (ICP)	<0,3	mg/kg	ASTMD5185		0,3
Natrium (ICP)	<0,5	mg/kg	ASTMD5185		0,3
Phosphorous (ICP)	<0,3	mg/kg	ASTMD5185		0,3
Polyaromatics	1,0	wt-%	EN12916		2,0
Aromatics	11,9	wt-%	EN12916		15,0
Cetane index	54,9		ENISO4264	52,0	
Cetane Number by IQT-analyser	59,0		EN15195	55,0	
Viscosity at 40 °C	1,967	mm2/s	ENISO3104	1,500	4,000
Flash point, Pensky Martens	61,5	°C	ENISO2719	57,0	
Copper Corrosion 3 h 50 °C	1a	no	ENISO2160		1b
Contamination in middle distillates	1,0	mg/kg	EN12662		10
Oxidation stability	1	g/m3	ENISO12205		25
Sulphur, UV	5,1	mg/kg	ENISO20846		10,0
Micro Carbon Residue 10% bottom	<0,01	wt-%	ENISO10370		0,2
Ash, 775°C	<0,001	wt-%	ENISO6245		0,001
Distillation 250°C (E250)	59,4	vol-%	ENISO3405		65,0
Distillation 350°C (E350)	>98,2	vol-%	ENISO3405	85,0	
Distillation 95 vol-%	310,7	°C	ENISO3405		340,0
Distillation FBP	327,9	°C	ENISO3405		350,0
Acidity Total (TAN)	0,007	mg KOH/g	ASTMD3242		0,080
Cloud Point, automatic (whole number)	-33	°C	ASTMD5773		-32
Cold filter plugging point	-40	°C	EN116		-37
High Frequency Reciprocating Rig	357	µm/60°C	ENISO12156-1		400
Content of NExBTL	15,29	vol-%	AVERAGE CALC	15,00	
Electrical Conductivity	363	pS/m	ISO6297	150	
Conductivity Measuring Temp.	14	°C	ISO6297		
Content of NExBTL	14,69	wt-%	AVERAGE CALC		

Unless otherwise specified the latest published analysis method edition has been used.

Laboratory	Neste, Porvoo Quality Control
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Electronical approval	Authored by
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