



CERTIFICATE OF ANALYSIS N° PAN-11460

VESSEL : Yasa Seagull
LOCATION : Anchorage - Balboa, Panama
PRODUCT : ULSD

MOVEMENT : Sampling
REF. NO. : INTV005FIN-
2009-0015
5028753-30

Volumetric Composite		Sampling	Sample N° : 7	09-OCT-2020 Sampled at 19:00
Description :	Compartment 2,SP P/S	0944-2020		
D 4052-11	API Gravity @ 60°F	37.2 °API		
D 1500	ASTM Color	L1.0		
D 93A	Flash Point	62.0 °C		
D 97	Pour Point	-18 °C		
D 6371	CFPP	-13 °C	^	
D 445	Viscosity @ 40 °C	2.533 cSt		
D 86-12	Distillation of Petroleum Products 90%	335.5 °C		
D 4737A	Cetane Index	50.5		
D 613	Cetane Number	49.8	^	
D 1319	Hydrocarbon Types by FIA (Dye Lot# <975 or >980)			
	Aromatics	26.6 Vol. %		
D 2622	Sulfur	10.6 mg/kg		
D 482	Ash	<0.001 Mass %		
D 524	Carbon Residue, Ramsbottom on 10% Bott.	<0.10 Mass %		
D 2709	Sediment & Water	<0.010 Vol. %		
D 130	Copper Corrosion @ 50 °C (3 hrs)	1a		
D 2624	Electrical Conductivity	165 pS/m		
D 6079	Lubricity by HFRR			
	Wear Scar Diameter @ 60° C	310 microns		
D 2274	Oxidation Stability @95 °C Total Insolubles	0.1 mg/100mL		
D 6217	Particulate Contaminant	4.0 mg/L		

The results apply to the samples as received and specifically to the items listed on this certificate.

This report may not be reproduced except in full without the written consent of the Camin Cargo Control. Data contained in this report is confidential to the addressee and shall not be disclosed to any other party without their approval

Samples taken as per Standard Practice for Manual Sampling of Petroleum and Petroleum Products (ASTM D4057 / API MPMS Chapter 8.1)

All testing performed by Camin Cargo Control unless denoted by a ^ or *. ^ Result(s) was submitted to Camin Cargo Control by another laboratory. We do not assume any responsibility for the results, or accuracy and handling of said equipment.

Boris Zorrilla / Laboratory Manager