

CERTIFICATE OF ANALYSIS N° NOR-26762

VESSEL : Nave Jupiter
LOCATION : Valero - Meraux, LA
PRODUCT : ULSD

MOVEMENT : Load
REF. NO. : HV59781/INSP17
038

Volumetric Composite		After Load	Sample N° :	82 ⁽²⁾	22-JUN-2026 Sampled at 16:44
			Minimum	Maximum	Remarks
ASTM D4052	API Gravity @ 60°F	37.8 °API	36	39	Pass
ASTM D4052	Density @ 15°C	835.4 Kg/m3	829	845	Pass
Visual	Color	Undyed		Undyed	Pass
ASTM D4176 (1)	Appearance	Clear & Bright			
ASTM D4176 (1B)	Free Water	Nil			
ASTM D4176 (1B)	Particulates	Non-Detect			
ASTM D1500	ASTM Color (After 90 min @ 150°C)	L0.5			
ASTM D93(A)	Flash Point	62.0 °C	60		Pass
ASTM D2500	Cloud Point	-10 °C			
ASTM D97	Pour Point	<-24 °C		-6	Pass
ASTM D445	Viscosity @ 40 °C / 104 °F	3.045 cSt			
ASTM D86	Distillation of Petroleum Products (Recovered)				
	Initial Boiling Point	168.9 °C			
	10%	216.9 °C			
	50%	275.6 °C		288	Pass
	90%	336.4 °C	282	338	Pass
	95%	353.8 °C		360	Pass
	Final Boiling Point (End Point)	359.4 °C			
	Recovery	97.4 Vol. %			
	Residue	1.4 Vol. %		2	Pass
	Loss	1.2 Vol. %		2	Pass
ASTM D976	Cetane Index	53.8	47		Pass
ASTM D613	Cetane Number	53.1	46		Pass
ASTM D1319	Hydrocarbon Types by FIA	(Dye Lot# <975 or >980)			
	Aromatics	13.2 Vol. %		35	Pass
ASTM D5453	Sulfur	3.8 ppm wt.			
IP 570(A)	Hydrogen Sulfide in Liquid	<0.60 mg/kg(ppm)		2	Pass
ASTM D482	Ash Content	ND Mass %		0.01	Pass
ASTM D189	Carbon Residue, Conradson	0.01 Wt. %		0.05	Pass
ASTM D524	Carbon Residue, Ramsbottom on 10% Bott.	<0.10 Mass %		0.10	Pass

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ASTM D473	Sediment by Extraction	0.00 Vol. %		0.01	Pass
ASTM D2709	Sediment & Water	<0.010 Vol. %		0.02	Pass
ASTM D130	Copper Corrosion @ 50 °C (3 hrs)	1a		1	Pass
ASTM D130	Copper Corrosion @ 100 °C (3 hrs)	1a		1	Pass
Olfactory	Odor	Marketable			
ASTM D664 (A)	Acid Number	<0.10 mg KOH/g		0.5	Pass
ASTM D664 (A)	Total Acid Number	<0.100 mg KOH/g		0.15	Pass
ASTM D7359	Chloride Content	0.72 mg/kg			
ASTM D5762	Nitrogen	<40.00 mg/kg(ppm)			
ASTM D2624	Electrical Conductivity	225 pS/m	50	500	Pass
ASTM D2624	Electrical Conductivity Temp.	20 °C			
EN 12916	Aromatic Hydrocarbons by HPLC				
	Polycyclic Aromatic Hydrocarbons	1.7 Vol. %			
ASTM D7371	Biodiesel Content (FAME)	ND Vol. %		ND	Pass
EN 15751	Oxidation Stability @ 95°C	960 min			
ASTM D6079	Lubricity by HFRR				
	Wear Scar Diameter @ 60° C	450 microns		460	Pass
ASTM D2274	Oxidation Stability @95 °C Total Insolubles	<0.1 mg/100mL		2.5	Pass
ASTM D2274	Oxidation Stability @95 °C Adherent Insolubles	<0.1 mg/100mL			
ASTM D2274	Oxidation Stability @95 °C Total Insolubles	<1.0 mg/L			
ASTM D1500 / F-21	Aged ASTM Color	L0.5		2.0	Pass
ASTM D6217	Particulate Contaminant	2.1 mg/L			
ASTM D7111	Metals in Distillates by ICP				
	Silicon	ND mg/kg(ppm)			
EN 16576	Metals by ICP-OES (Scope: FE, MN)				
	Manganese	ND mg/L			

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⁽²⁾ Samples taken as per Standard Practice for Manual Sampling of Petroleum and Petroleum Products (ASTM D4057 / API MPMS Chapter 8.1) via a Closed System Sampler. Customer is advised that, due to its limitations, the samples may not fully represent the entire cargo.

All testing is performed on premises by Camin Cargo Control and in accordance to the latest referenced test method unless specifically stated otherwise.

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

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

N.D.- None Detected: Below Lower Reporting Limit and/or Lower Detection Limit as per applicable test method and/or instrument capability.

The statement of conformity (i.e. Pass/Fail) within this document does not consider measurement uncertainty and applies the decision rules of Pass if the values are equal or are within limits and Fail if outside of limits. Limits are defined by the product's recognized specification or as determined by written client contract and/or individual job request.

End of the Report



Idéyonn Joseph / Laboratory Supervisor