

Company	Mash Energy	Laboratory	Athens
Order Number		Job ID	GL1823364
Fuel Tank(s) Used		Sample Arrived Date	30 Sep 2021
Sampling Date		Sample Sent From	
Sampling Method	Other (specify below)	Courier Company	
Seal No.	ME-CN-01/02 (B3.8)	AWB No.	
Seal Condition	Not Sealed	Fuel Tank To Be Used On	
Retain Seal No.		Fuel In Use From	
		Fuel Tanks(s) Qty Left	
		Fuel Tank(s) Capacity	

Fuel Information

Bunker Port	Unknown	Fuel Grade	DMA
Bunker Date		Mixed with Other Fuel	No
Bunker Supplier		Quantity Mixed	
Quantity Bunkered		Fuel Grade Mixed	
Submission Reason		Sulphur Content	
		From Bunker Port	

Test Results

Parameter	Method	Unit	Unknown NA GL1823364-1	Outcome
Cetane Index	ISO 4264	-	52	
Temp 10% recovery	ISO 3405	°C	195.7	
Temp 50% recovery	ISO 3405	°C	250.8	
Temp 90% recovery	ISO 3405	°C	331.1	
Density @ 15°C	ISO 12185	kg/m³	826.4	
Polycyclic Aromatic Content	EN 12916	% (m/m)	4	
Manganese Content	EN 16576	mg/L	<0.50	
Flash Point	ISO 2719 A	°C	62.5	
Ash	ISO 6245	% m/m	<0.01	
Water Content	ISO 12937	mg/kg	49.0	
FAME	EN 14078	% (V/V)	0.05	
Lubricity	ISO 12156-1	um	410	
Viscosity @ 40°C	ISO 3104	cSt	2.296	
Recovered at 250°C	ISO 3405	% (V/V)	49.5	
Recovered at 350°C	ISO 3405	% (V/V)	95.4	
95 % (V/V) Recovered	ISO 3405	°C	348.8	
CFPP	EN 116	°C	-4	
Cloud Point	ISO 3015	°C	-2	

Final Approver

Panos Tzemopoulos

Final Approval Date

30 Sep 2021