

NORMAL

Black Knight Financial [14999] [Black Knight Financial] 2

Diesel Fuel

Fluid No.2 DIESEL FUEL (ULTRALOW SULPHUR) (1100 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel.

Corrosion

All metal levels are normal indicating no corrosion in the system.

Contaminants

The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. There is no indication of any contamination in the fuel. The amount and size of particulates indicated in the system are acceptable.

Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation. Sulfur level is acceptable for ULSD specification.

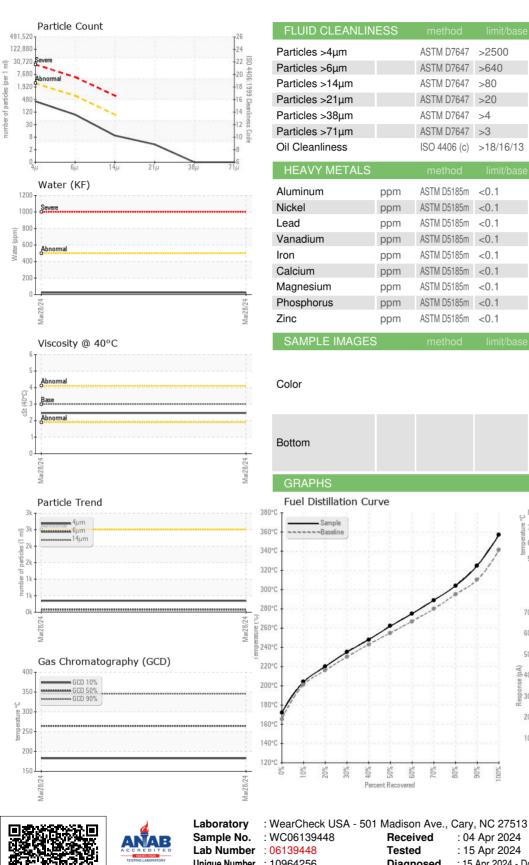




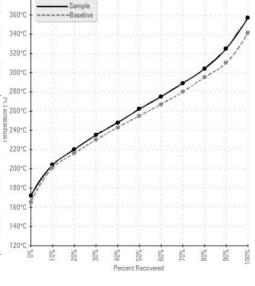
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06139448		
Sample Date		Client Info		28 Mar 2024		
Machine Age	hrs	Client Info		0		
Sample Status				NORMAL		
PHYSICAL PROP	FRTIES	method	limit/base	current	history1	history2
Fuel Color	text	*Visual Screen	Yllow	Red		
ASTM Color	scalar	*ASTM D1500	0.0	L4.0		
Visc @ 40°C	cSt °C	*PMCC Calculated	3.0	2.46 61.2		
Pensky-Martens Flash Point	-	PINICO Galculated	52	01.2		
SULFUR CONTER	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	0		
Sulfur (UVF)	ppm	ASTM D5453		15		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	172		
5% Distillation Point	°C	ASTM D86		195		
10% Distill Point	°C	ASTM D86	201	204		
15% Distillation Point	°C	ASTM D86		212		
20% Distill Point	°C	ASTM D86	216	220		
30% Distill Point	°C	ASTM D86	230	235		
40% Distill Point	°C	ASTM D86	243	248		
50% Distill Point	°C	ASTM D86	255	262		
60% Distill Point	°C	ASTM D86	267	275		
70% Distill Point	°C	ASTM D86	280	289		
80% Distill Point	°C	ASTM D86	295	304		
85% Distillation Point	°C	ASTM D86		315		
90% Distill Point	°C	ASTM D86	310	325		
95% Distillation Point	°C	ASTM D86		343		
Final Boiling Point	°C	ASTM D86	341	357		
IGNITION QUALIT	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	36		
Cetane Index		ASTM D4737	<40.0	48		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0		
Sodium	ppm	ASTM D5185m	<0.1	<1		
Potassium	ppm	ASTM D5185m	<0.1	0		
Water	%	ASTM D6304	<0.05	0.002		
ppm Water	ppm	ASTM D6304	<500	23		
% Gasoline	%	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		

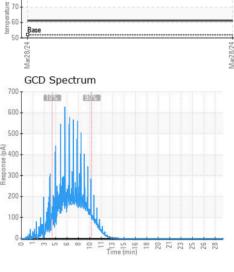


FUEL REPORT



FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	346		
Particles >6µm		ASTM D7647	>640	80		
Particles >14µm		ASTM D7647	>80	8		
Particles >21µm		ASTM D7647	>20	3		
Particles >38µm		ASTM D7647	>4	0		
Particles >71µm		ASTM D7647	>3	0		
Dil Cleanliness		ISO 4406 (c)	>18/16/13	16/13/10		
HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0		
Nickel	ppm	ASTM D5185m	<0.1	0		
_ead	ppm	ASTM D5185m	<0.1	0		
/anadium	ppm	ASTM D5185m	<0.1	0		
ron	ppm	ASTM D5185m	<0.1	0		
Calcium	ppm	ASTM D5185m	<0.1	0		
Magnesium	ppm	ASTM D5185m	<0.1	0		
Phosphorus	ppm	ASTM D5185m	<0.1	0		
Zinc	ppm	ASTM D5185m	<0.1	0		
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color					no image	no image
Bottom				\bigcirc	no image	no image
GRAPHS						







Lab Number : 06139448 Tested : 15 Apr 2024 Unique Number : 10964256 Diagnosed : 15 Apr 2024 - Doug Bogart Test Package : DF-2 (Additional Tests: CldPt, Fuel, Screen) Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Received

: 04 Apr 2024

PETROLEUM RECOVERY SERVICES 210 POWELL DR SUMMERVILLE, SC US 29483 Contact: AJAY EL Ajay@prsfuel.com T: (843)225-1777 E:

Report Id: PETSUM [WUSCAR] 06139448 (Generated: 05/27/2024 14:45:07) Rev: 1

Contact/Location: AJAY EL - PETSUM

Page 2 of 2