

FUEL REPORT

Area Logan Regional Medical Center [Logan Regional Medical Center] ADMIN

Diesel Fuel

Fluid No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- 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

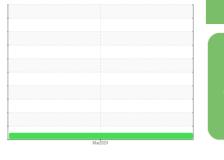
All metal levels are normal indicating no corrosion in the system.

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 Rating Trend

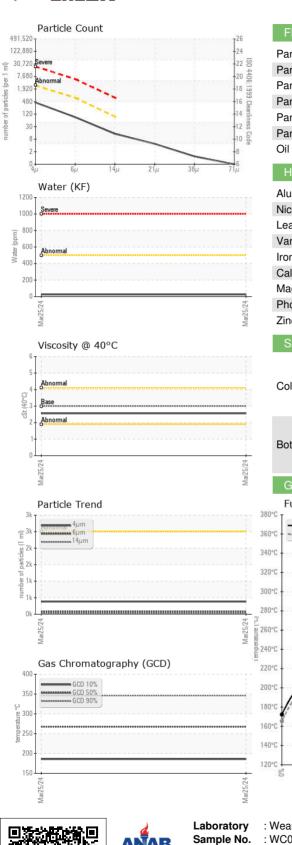


NORMAL

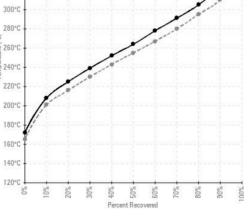
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06139454		
Sample Date		Client Info		25 Mar 2024		
Machine Age	hrs	Client Info		0		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Fuel Color	text	*Visual Screen	Yllow	Red		
ASTM Color	scalar	*ASTM D1500		L4.0		
Visc @ 40°C	cSt	ASTM D445	3.0	2.56		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	60.9		
SULFUR CONTER	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	0		
Sulfur (UVF)	ppm	ASTM D5453		14		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	172		
5% Distillation Point	°C	ASTM D86		197		
10% Distill Point	°C	ASTM D86	201	208		
15% Distillation Point	°C	ASTM D86		217		
20% Distill Point	°C	ASTM D86	216	225		
30% Distill Point	°C	ASTM D86	230	239		
40% Distill Point	°C	ASTM D86	243	252		
50% Distill Point	°C	ASTM D86	255	264		
60% Distill Point	°C	ASTM D86	267	278		
70% Distill Point	°C	ASTM D86	280	291		
80% Distill Point	°C	ASTM D86	295	305		
85% Distillation Point	°C	ASTM D86		315		
90% Distill Point	°C	ASTM D86	310	325		
95% Distillation Point	°C	ASTM D86		342		
Final Boiling Point	°C	ASTM D86	341	358		
IGNITION QUALIT	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	34		
Cetane Index		ASTM D4737	<40.0	44		
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	25		
% Gasoline	%	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		

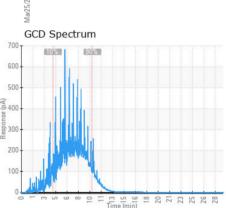


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LUID CLEANLIN	IESS	method	limit/base	current	history1	history2
articles >4µm		ASTM D7647	>2500	382		
articles >6µm		ASTM D7647	>640	76		
articles >14µm		ASTM D7647	>80	12		
articles >21µm		ASTM D7647	>20	4		
articles >38µm		ASTM D7647	>4	1		
articles >71µm		ASTM D7647	>3	0		
l Cleanliness		ISO 4406 (c)	>18/16/13	16/13/11		
HEAVY METALS		method	limit/base	current	history1	history2
uminum	ppm	ASTM D5185m	<0.1	0		
ckel	ppm	ASTM D5185m	<0.1	0		
ad	ppm	ASTM D5185m	<0.1	0		
anadium	ppm	ASTM D5185m	<0.1	0		
on	ppm	ASTM D5185m	<0.1	0		
alcium	ppm	ASTM D5185m	<0.1	0		
agnesium	ppm	ASTM D5185m	<0.1	0		
nosphorus	ppm	ASTM D5185m	<0.1	0		
nc	ppm	ASTM D5185m	<0.1	0		
SAMPLE IMAGES	5	method	limit/base	current	history1	history2
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GRAPHS						
Fuel Distillation Cu	irve		temperature °C	OT :	ns Flash Point (°C)
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	/		70	GCD Spectrur		
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PETROLEUM RECOVERY SERVICES : WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC06139454 Received : 04 Apr 2024 210 POWELL DR Lab Number : 06139454 Tested : 15 Apr 2024 SUMMERVILLE, SC Unique Number : 10964262 Diagnosed : 15 Apr 2024 - Doug Bogart US 29483 Test Package : DF-2 (Additional Tests: CldPt, Fuel, Screen) Contact: AJAY EL To discuss this sample report, contact Customer Service at 1-800-237-1369. Ajay@prsfuel.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (843)225-1777 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: PETSUM [WUSCAR] 06139454 (Generated: 05/27/2024 14:46:14) Rev: 1

Certificate 12367

Contact/Location: AJAY EL - PETSUM

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