

Area ASCENT LR AR VEEDER ROOT [ASCENT LR AR VEEDER ROOT] LETC 16

Diesel Fuel Fluid

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (25000 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

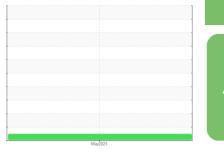
All metal levels are normal indicating no corrosion in the system.

Contaminants

There is no bacteria or fungus (yeast and/or mold) indicated in the sample. The water content is negligible. The amount and size of particulates present 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

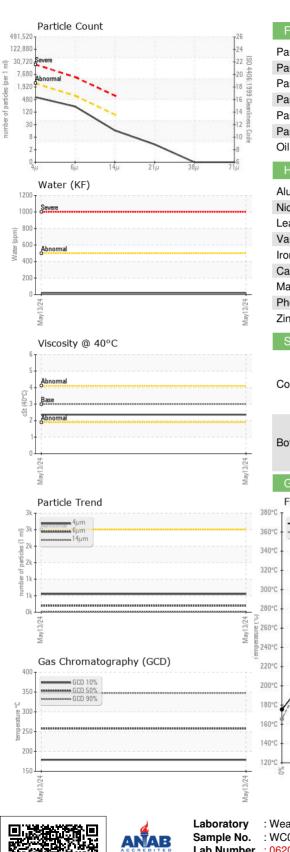


NORMAL

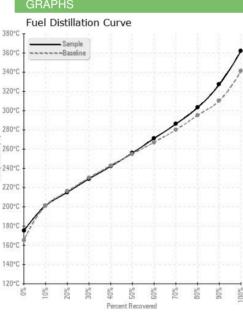
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06206071		
Sample Date		Client Info		13 May 2024		
Machine Age	hrs	Client Info		0		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Fuel Color	text	*Visual Screen	Yllow	Red		
ASTM Color	scalar	*ASTM D1500		L4.5		
Visc @ 40°C	cSt	ASTM D445	3.0	2.36		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	63		
SULFUR CONTEI	SULFUR CONTENT method limit/base current history1 history2					
Sulfur	ppm	ASTM D5185m	10	0		
Sulfur (UVF)	ppm	ASTM D5453		6		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	175		
5% Distillation Point	°C	ASTM D86		192		
10% Distill Point	°C	ASTM D86	201	201		
15% Distillation Point	°C	ASTM D86		208		
20% Distill Point	°C	ASTM D86	216	215		
30% Distill Point	°C	ASTM D86	230	229		
40% Distill Point	°C	ASTM D86	243	242		
50% Distill Point	°C	ASTM D86	255	256		
60% Distill Point	°C	ASTM D86	267	271		
70% Distill Point	°C	ASTM D86	280	286		
80% Distill Point	°C	ASTM D86	295	303		
85% Distillation Point	°C	ASTM D86		315		
90% Distill Point	°C	ASTM D86	310	327		
95% Distillation Point	°C	ASTM D86		346		
Final Boiling Point	°C	ASTM D86	341	362		
IGNITION QUALI	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	38		
Cetane Index		ASTM D4737	<40.0	51		
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	<1		
Water	%	ASTM D6304	< 0.05	0.002		
ppm Water	ppm	ASTM D6304	<500	21		
% Gasoline	%	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		

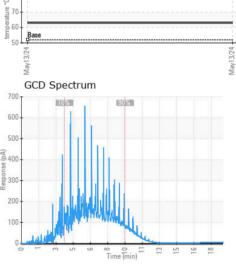


FUEL REPORT



FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
articles >4µm		ASTM D7647	>2500	551		
articles >6µm		ASTM D7647	>640	196		
articles >14µm		ASTM D7647	>80	14		
articles >21µm		ASTM D7647	>20	3		
articles >38µm		ASTM D7647	>4	0		
articles >71µm		ASTM D7647	>3	0		
il Cleanliness		ISO 4406 (c)	>18/16/13	16/15/11		
HEAVY METALS		method	limit/base	current	history1	history2
luminum	ppm	ASTM D5185m	<0.1	0		
lickel	ppm	ASTM D5185m	<0.1	<1		
ead	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		
lagnesium	ppm	ASTM D5185m	<0.1	0		
hosphorus	ppm	ASTM D5185m	<0.1	0		
inc	ppm	ASTM D5185m	<0.1	0		
SAMPLE IMAGES	\$	method	limit/base	current	history1	history2
Color					no image	no image
ottom					no image	no image
GRAPHS						
Fuel Distillation Cu	rve			Pensky-Marte	ns Flash Point (°C)
Sample Sample			10 cm			
			// ¹⁰ 51	Base		





PETROLEUM RECOVERY SERVICES : WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC06206071 Received : 10 Jun 2024 Lab Number : 06206071 Tested : 19 Jun 2024 SUMMERVILLE, SC Unique Number : 11073532 Diagnosed : 19 Jun 2024 - Angela Borella Test Package : DF-2 (Additional Tests: 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)

Report Id: PETSUM [WUSCAR] 06206071 (Generated: 06/22/2024 14:40:06) Rev: 1

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