

FUEL REPORT

Sample Rating Trend



Gen Tech USA GEN 1

Diesel Fuel Fluid NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

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

Corrosion

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

Contaminants

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

Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation.

			May2022	Jul2023		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0829190	WC0675468	
Sample Date		Client Info		14 Jul 2023	24 May 2022	
Machine Age	hrs	Client Info		385	360	
Sample Status				NORMAL	ATTENTION	
PHYSICAL PROP	ERTIES	method	limit/base	current	historv1	historv2
Specific Gravity		*ASTM D1298		0.839	0.840	
Evel Color	text	*Visual Screen		Bed	Red	
ASTM Color	scalar	*ASTM D1500		110	155	
Visc @ 40°C	cSt	ASTM D445		2.53	2 48	
Pensky-Martens Flash Point	°C	*PMCC Calculated		58	60	
Cloud Point	°C	ASTM D5771		-11	-12	
Pour Point	°C	ASTM D5950		-21	-25	
	JT	method	limit/base	current	history1	history2
		method	mmubase	current	Thistory	This tory 2
Sulfur	ppm	ASTM D5185m		6	13	
Sulfur (UVF)	ppm	ASTM D5453		19	23	
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		163	164	
5% Distillation Point	°C	ASTM D86		191	189	
10% Distill Point	°C	ASTM D86		202	199	
15% Distillation Point	°C	ASTM D86		211	209	
20% Distill Point	°C	ASTM D86		219	217	
30% Distill Point	°C	ASTM D86		233	232	
40% Distill Point	°C	ASTM D86		247	247	
50% Distill Point	°C	ASTM D86		262	261	
60% Distill Point	°C	ASTM D86		276	276	
70% Distill Point	°C	ASTM D86		291	291	
80% Distill Point	°C	ASTM D86		307	308	
85% Distillation Point	°C	ASTM D86		317	317	
90% Distill Point	°C	ASTM D86		328	328	
95% Distillation Point	°C	ASTM D86		344	344	
Final Boiling Point	°C	ASTM D86		352	351	
Distillation Residue	%	ASTM D86		1.4	1.4	
Distillation Loss	%	ASTM D86		0.6	0.9	
IGNITION QUALIT	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777		37.2	37.0	
Cetane Index		ASTM D4737	<40.0	49.2	48.4	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<1	0	
Sodium	ppm	ASTM D5185m	<0.1	<1	0	
Potassium	ppm	ASTM D5185m	<0.1	0	0	
Water	%	ASTM D6304	< 0.05	0.004	0.003	
ppm Water	ppm	ASTM D6304	<500	40.7	33.1	
% Gasoline	%	*In-House	<0.50	0.0	0.0	
% Biodiesel	%	*In-House	<20.0	1.5	1.9	



FUEL REPORT



no image

2451

836

84

23

2

0

<1

0

0

<1

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2

3

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18/17/14

0

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0

0

0

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0

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0

Pensky-Martens Flash Point (°C) 월 60 Mav24/22 Jul14/23 120°C 10% 30% %0L 20% 40% 50% 80% 90% 50% %09 %0% 80% %06 t Rec **ALTERNATIVE POWER** Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : WC0829190 Received : 17 Jul 2023 1000 NORTHGATE CT Lab Number Diagnosed MORRISVILLE, NC : 05900896 : 25 Jul 2023 Unique Number : 10562252 Diagnostician : Doug Bogart US 27560 Test Package : DF-3 (Additional Tests: Screen) Contact: ROBERT MCARTHUR Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. rmcarthur@bittingelectric.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (919)467-9417

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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