

FUEL REPORT

Sample Rating Trend

CONTAMINANT

30000 GAL UST TANK 1 - FIRSTHEALTH MOORE REGIONAL

Component

Diesel Fuel

NOT GIVEN (30000 GAL)





DIAGNOSIS

Recommendation

We advise that you follow the water drain-off procedure for this component, and use off-line filtration to improve the cleanliness of the system fluid. We advise that you inspect for the source(s) of rust. We recommend you service and check the fuel filters for mucous-like deposits. Check with fuel supplier for biocides available to destroy the microorganisms in the fuel system.

Corrosion

Moderate concentration of visible metal present as rust.

Contaminants

Free water present. There is a light concentration of Bacteria, Yeast and/or Fungus present in the sample. Moderate concentration of visible dirt/debris present in the fuel.

Fuel Condition

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

			1	Nov2022		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC05693069		
Sample Date		Client Info		11 Nov 2022		
Machine Age	hrs	Client Info		0		
Sample Status				ABNORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
	LITTILO		IIIIII/Dase			HIStOryZ
Specific Gravity		*ASTM D1298		0.845		
Fuel Color	text	*Visual Screen		Red		
ASTM Color	scalar	*ASTM D1500		L4.5		
Visc @ 40°C	cSt	ASTM D445		2.6		
Pensky-Martens Flash Point	°C	*PMCC Calculated		64		
SULFUR CONTE	VT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		0		
Sulfur (UVF)	ppm	ASTM D5453		15		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		170		
5% Distillation Point	°C	ASTM D86		195		
10% Distill Point	°C	ASTM D86		205		
15% Distillation Point	°C	ASTM D86		213		
20% Distill Point	°C	ASTM D86		221		
30% Distill Point	°C	ASTM D86		234		
40% Distill Point	°C	ASTM D86		248		
50% Distill Point	°C	ASTM D86		261		
60% Distill Point	°C	ASTM D86		276		
70% Distill Point	°C	ASTM D86		291		
80% Distill Point	°C	ASTM D86		308		
85% Distillation Point	°C	ASTM D86		319		
90% Distill Point	°C	ASTM D86		332		
95% Distillation Point	°C	ASTM D86		355		
Final Boiling Point	°C	ASTM D86		363		
Distillation Residue	%	ASTM D86		1.4		
Distillation Loss	%	ASTM D86		0.3		
IGNITION QUALIT	ГҮ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777		36.0		
Cetane Index		ASTM D4737	<40.0	47.1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	1		
Sodium	ppm	ASTM D5185m	<0.1	<1		
Potassium	ppm	ASTM D5185m	<0.1	0		
Water	%	ASTM D6304	< 0.05	0.022		
ppm Water	ppm	ASTM D6304	<500	225.2		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



FUEL REPORT





Certificate L2367

Laboratory Sample No. Lab Number Unique Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 05693069

: WC05693069 : 10217642

Received Diagnosed Diagnostician : Doug Bogart

: 14 Nov 2022 : 21 Nov 2022

Test Package : DF-2 (Additional Tests: Bacteria, Screen) 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) **GAINES OIL COMPANY**

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