

FUEL REPORT

Sample Rating Trend







USF BYRD

Component **Diesel Fuel**

OFF-ROAD (6000 GAL)

DIAGNOSIS

Recommendation

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We advise that you inspect for the source(s) of rust.

Corrosion

Moderate concentration of visible metal present as rust.

Contaminants

Appearance is hazy. High concentration of visible dirt/debris present in the fuel.

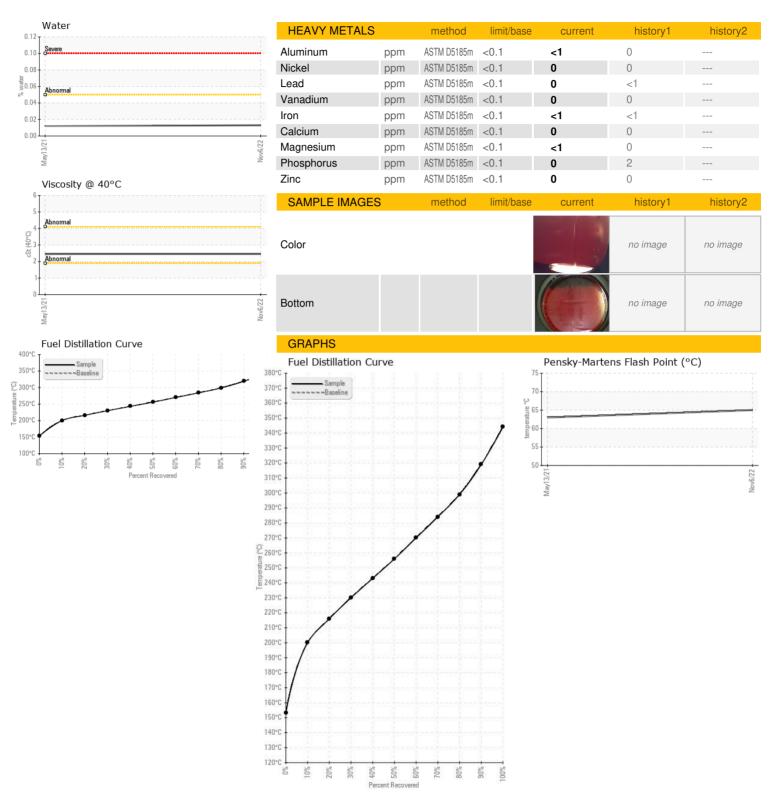
Fuel Condition

The fuel is no longer serviceable due to the presence of contaminants. Sulfur value derived by ASTM D5453 method for ULSD validation.

			May2021	Nov2022		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WCDF05057	WCDF02689	
Sample Date		Client Info		06 Nov 2022	13 May 2021	
Machine Age	mls	Client Info		0	0	
Sample Status				ABNORMAL	NORMAL	
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		0.841	0.841	
Fuel Color	text	*Visual Screen		Red	Red	
ASTM Color	scalar	*ASTM D1500		L5.5	L5.0	
Visc @ 40°C	cSt	ASTM D445		2.46	2.46	
Pensky-Martens Flash Point	°C	*PMCC Calculated		65	63	
Cloud Point	°C	ASTM D5771		-14	-14	
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		0	512	
Sulfur (UVF)	ppm	ASTM D5453		536	520	
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		153	158	
5% Distillation Point	°C	ASTM D86		189	193	
10% Distill Point	°C	ASTM D86		200	202	
15% Distillation Point	°C	ASTM D86		208	209	
20% Distill Point	°C	ASTM D86		216	216	
30% Distill Point	°C	ASTM D86		230	229	
40% Distill Point	°C	ASTM D86		243	242	
50% Distill Point	°C	ASTM D86		256	255	
60% Distill Point	°C	ASTM D86		270	269	
70% Distill Point	°C	ASTM D86		284	283	
80% Distill Point	°C	ASTM D86		299	299	
85% Distillation Point	°C	ASTM D86		308	308	
90% Distill Point	°C	ASTM D86		319	319	
95% Distillation Point	°C	ASTM D86		335	337	
Final Boiling Point	°C	ASTM D86		344	345	
Distillation Residue	%	ASTM D86		1.4	1.4	
Distillation Loss	%	ASTM D86		0.2	0.4	
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777		36.8	36.8	
Cetane Index		ASTM D4737	<40.0	44.8	47.3	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0	0	
Sodium	ppm	ASTM D5185m	<0.1	0	0	
Potassium	ppm	ASTM D5185m	< 0.1	0	0	
Water	%	ASTM D6304	< 0.05	0.013	0.012	
ppm Water	ppm	ASTM D6304	< 500	130.8	125.3	
% Gasoline	%	*In-House	< 0.50	0.0	0.0	
% Biodiesel	%	*In-House	<20.0	0.0	0.0	



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Laboratory Sample No. Lab Number Unique Number

: WCDF05057 : 05717748

: 10257324

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 14 Dec 2022 Diagnosed : 22 Dec 2022

Diagnostician : Doug Bogart

Test Package : DF-2 (Additional Tests: CldPt, 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.

Contact: WENDALL STRODERD wendall@tankwizards.com

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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (321)574-4131

Report Id: TANPAL [WUSCAR] 05717748 (Generated: 08/29/2023 08:59:03) Rev: 1

Contact/Location: 321-285-8878 X1 - WENDALL STRODERD - TANPAL