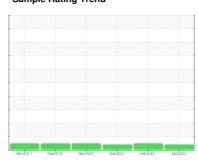


FUEL REPORT

Sample Rating Trend



VIS DEBRIS



USF MDH

Component **Diesel Fuel**

OFF-ROAD (2000 GAL)

DIAGNOSIS

Recommendation

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. All other laboratory tests indicate that this sample meets specifications for No.2 diesel fuel, low sulfur.

Corrosion

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

▲ Contaminants

Moderate concentration of visible dirt/debris present in the fuel. There is no Bacteria, Yeast and/or Fungus indicated in the sample. The water content is negligible.

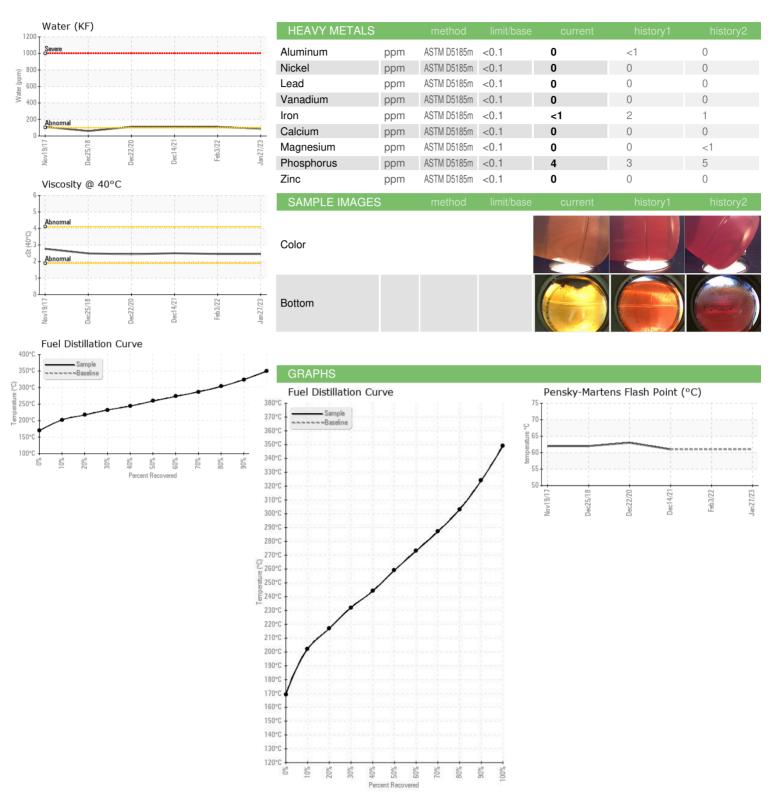
Fuel Condition

Sulfur value derived by ASTM D4294 method for ULSD validation.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
	IATION		IIIIIII Dase		· ·	•
Sample Number		Client Info		WCDF04294	WCDF04372	WCDF04447
Sample Date		Client Info		27 Jan 2023	03 Feb 2022	14 Dec 2021
Machine Age	mls	Client Info		0	0	0
Sample Status				ATTENTION	NORMAL	ABNORMAL
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		0.839		0.844
Fuel Color	text	*Visual Screen		Orang		Red
ASTM Color	scalar	*ASTM D1500		1.0	3.0	L4.0
Visc @ 40°C	cSt	ASTM D445		2.46	2.46	2.5
Pensky-Martens Flash Point	°C	*PMCC Calculated		61		61
Cloud Point	°C	ASTM D5771		-12		-14
SULFUR CONTE	VT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		0	108	70
Sulfur (UVF)	ppm	ASTM D5453		39	78	100
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		169		164
5% Distillation Point	°C	ASTM D86		192		195
10% Distill Point	°C	ASTM D86		202		205
15% Distillation Point	°C	ASTM D86		209		213
20% Distill Point	°C	ASTM D86		217		220
30% Distill Point	°C	ASTM D86		232		233
40% Distill Point	°C	ASTM D86		244		245
50% Distill Point	°C	ASTM D86		259		258
60% Distill Point	°C	ASTM D86		273		271
70% Distill Point	°C	ASTM D86		287		285
80% Distill Point	°C	ASTM D86		303		301
85% Distillation Point	°C	ASTM D86		312		310
90% Distill Point	°C	ASTM D86		324		321
95% Distillation Point	°C	ASTM D86		342		338
Final Boiling Point	°C	ASTM D86		349		343
Distillation Residue	%	ASTM D86		1.4		1.4
Distillation Loss	%	ASTM D86		0.7		0.4
IGNITION QUALIT	ГҮ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777		37.2		36.2
Cetane Index		ASTM D4737	<40.0	48.6		46.6
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0	0	0
Sodium	ppm	ASTM D5185m	< 0.1	0	0	0
Potassium	ppm	ASTM D5185m	<0.1	0	0	<1
Water	%	ASTM D6304	< 0.05	0.008	0.011	0.011
ppm Water	ppm	ASTM D6304	<500	88.9	110.1	111.5
% Gasoline	%	*In-House	< 0.50	0.0	0.0	0.0
% Biodiesel	%	*In-House	<20.0	0.0	0.8	0.0



FUEL REPORT







Laboratory Sample No. Lab Number Unique Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 05756539

: WCDF04294 : 10321146

Recieved Diagnosed

: 01 Feb 2023 : 08 Feb 2023 Diagnostician : Doug Bogart

TANK WIZARDS 1511 MASTERS RD NW PALM BAY, FL US 32907

Contact: WENDALL STRODERD wendall@tankwizards.com

T: (321)427-5149 F: (321)574-4131

Test Package : DF-2 (Additional Tests: CldPt, Screen) Certificate L2367 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)