

FUEL REPORT

Sample Rating Trend

ISO

Machine Id

CYRUSONE MAIN TANK 3

Diesel Fuel

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (

Recommendation

We advise that you filter this fluid before use. All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel.

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

Contaminants

There is a high amount of particulates present in the fuel. Moderate concentration of visible dirt/debris present in the fuel. There is no bacteria or fungus (yeast and/or mold) present in the sample. The water content is negligible.

Fuel Condition

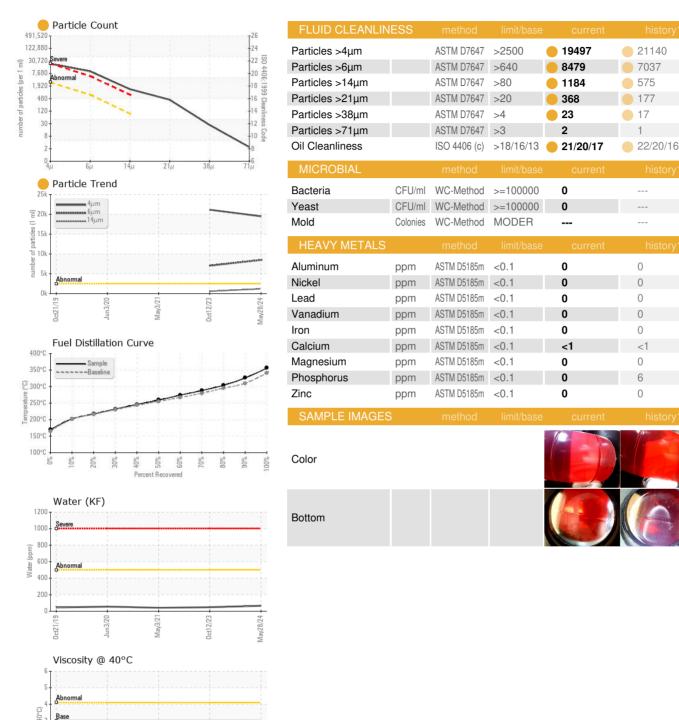
Sulfur value derived by ASTM D5453 method for ULSD validation. Sulfur level is acceptable for ULSD specification.

R) (GAL)		0ct2019	Jun2020	May2021 Oct2023	May2024	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0929962	WC0869458	WCDF03701
Sample Date		Client Info		28 May 2024	12 Oct 2023	03 May 2021
Machine Age	hrs	Client Info		0	0	0
Sample Status				ATTENTION	ATTENTION	NORMAL
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298	0.839		0.841	0.843
Fuel Color	text	*Visual Screen	Yllow	Red	Red	Red
ASTM Color	scalar	*ASTM D1500		L4.5	L4.5	L6.0
Visc @ 40°C	cSt	ASTM D445	3.0	2.46	2.44	2.51
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	58.9	59	60
SULFUR CONTER	٧T	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	2	0	10
Sulfur (UVF)	ppm	ASTM D5453		7	8	9
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	169	165	157
5% Distillation Point	°C	ASTM D86		192	189	190
10% Distill Point	°C	ASTM D86	201	202	199	201
15% Distillation Point	°C	ASTM D86		209	208	210
20% Distill Point	°C	ASTM D86	216	217	217	218
30% Distill Point	°C	ASTM D86	230	232	232	233
40% Distill Point	°C	ASTM D86	243	246	247	247
50% Distill Point	°C	ASTM D86	255	259	261	262
60% Distill Point	°C	ASTM D86	267	274	275	276
70% Distill Point	°C	ASTM D86	280	288	290	291
80% Distill Point	°C	ASTM D86	295	304	307	307
85% Distillation Point	°C	ASTM D86	210	315	316	316
90% Distill Point 95% Distillation Point	°C	ASTM D86	310	326 342	327 344	327 345
Final Boiling Point	°C	ASTM D86	341	356	351	351
Distillation Residue	%	ASTM D86	3.0		1.4	1.4
Distillation Loss	%	ASTM D86	3.0		0.9	0.8
IGNITION QUALIT	Υ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	36	36.8	36.4
Cetane Index		ASTM D4737	<40.0	47	48.2	47.4
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0	0	0
Sodium	ppm	ASTM D5185m	< 0.1	<1	0	1
Potassium	ppm	ASTM D5185m	<0.1	0	<1	<1
Water	%	ASTM D6304	< 0.05	0.006	0.004	0.004
ppm Water	ppm	ASTM D6304	< 500	66	48.4	41.8
% Gasoline	%	*In-House	< 0.50	0.0	0.0	0.0
% Biodiesel	%	*In-House	<20.0	1.6	1.9	1.3

Contact/Location: SERVICE ? - VITAPE



FUEL REPORT







Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06195861

: WC0929962 Unique Number : 11057984

Received Tested

: 11 Jun 2024 - Doug Bogart Diagnosed

: 30 May 2024

: 11 Jun 2024

Test Package: DF-2 (Additional Tests: BACTERIA, Fuel, Screen) To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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)

F: (919)303-7399 Contact/Location: SERVICE ? - VITAPE

Report Id: VITAPE [WUSCAR] 06195861 (Generated: 06/11/2024 14:17:12) Rev: 2

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VITAL FUEL SYSTEMS

service@vitalfuelsystems.com

1076 CLASSIC RD

Contact: SERVICE

T: (919)629-8180

APEX, NC

US 27539

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