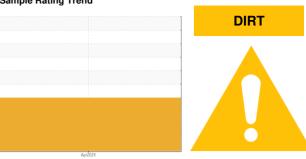


# **FUEL REPORT**

Sample Rating Trend



Machine Id

# **CAT-SEACOASTE GUST**

Component

Bulk Tank Diesel Fuel

No.2 DIESEL FUEL (LOW-SULPHUR) (--- GA

### **DIAGNOSIS**

### 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 system.

### Contaminants

There is a high amount of particulates present in the fuel. Elemental level of silicon (Si) above normal. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. The water content is negligible.

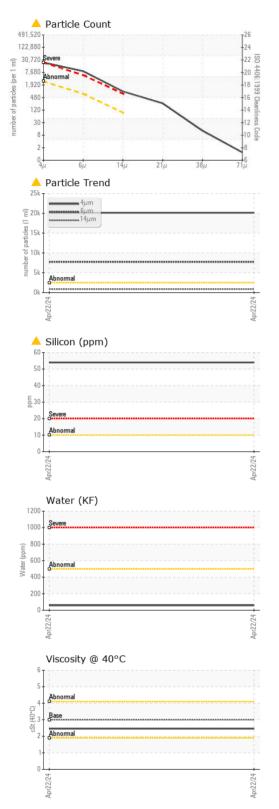
### **Fuel Condition**

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

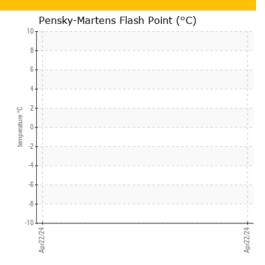
AL)				Apr2024		\
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
	17 (11014	Client Info	IIIIII DAGO	WC0934396		
Sample Number Sample Date		Client Info		22 Apr 2024		
Machine Age	hrs	Client Info		0		
Sample Status	1115	Ciletit iiiio		ABNORMAL		
·				-		
PHYSICAL PROP			limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		L5.5		
Visc @ 40°C	cSt	ASTM D445	3.0	2.46		
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	250	0		
Sulfur (UVF)	ppm	ASTM D5453		14		
CONTAMINANTS		method	limit/base	current	history1	history2
					history1	
Silicon	ppm	ASTM D5185m	<1.0	<u>^</u> 54		
Sodium	ppm	ASTM D5185m	<0.1	0		
Potassium	ppm	ASTM D5185m	<0.1	0		
Water	%	ASTM D6304	<0.05	0.005		
ppm Water % Gasoline	ppm	*In-House	<500	59 0.0		
, , , , , , , , , , , , , , , , , , , ,	%	*In-House	<0.50	0.0		
% Biodiesel	%	in-House	<20.0	0.0		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	<u>^</u> 20130		
Particles >6µm		ASTM D7647	>640	<u>▲</u> 7739		
Particles >14μm		ASTM D7647	>80	<u>^</u> 829		
Particles >21µm		ASTM D7647	>20	<u>^</u> 223		
Particles >38µm		ASTM D7647	>4	<u> 11</u>		
Particles >71μm		ASTM D7647	>3	1		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<u>22/20/17</u>		
HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0		
Nickel	ppm	ASTM D5185m	<0.1	0		
Lead	ppm	ASTM D5185m	<0.1	0		
Vanadium	ppm	ASTM D5185m	<0.1	0		
Iron	ppm	ASTM D5185m	<0.1	0		
Calcium	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	<0.1	0		
Phosphorus	ppm	ASTM D5185m	<0.1	0		
Zinc	ppm	ASTM D5185m	<0.1	0		
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image
1:07:08) Hev: 1				Contact/	Location: SERV	ICE ? - VITAPE



## **FUEL REPORT**



### **GRAPHS**





Certificate 12367

Sample No.

Laboratory

: WC0934396 Lab Number : 06159560 Unique Number : 10994983

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.

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

: 24 Apr 2024 **Tested** Diagnosed Test Package: DF-5 (Additional Tests: CLDPT, Screen)

: 03 May 2024 : 03 May 2024 - Doug Bogart **VITAL FUEL SYSTEMS** 1076 CLASSIC RD APEX, NC US 27539 Contact: SERVICE

service@vitalfuelsystems.com T: (919)629-8180 F: (919)303-7399

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

Contact/Location: SERVICE ? - VITAPE