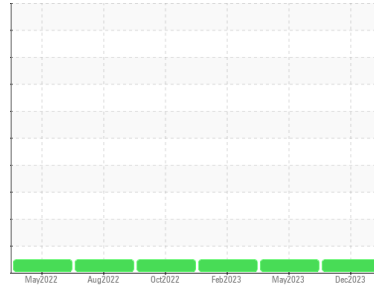




FUEL REPORT

Sample Rating Trend

NORMAL



Area
MT/VA/Hospital/NOLA
 Machine Id
VA HOSPITAL NEW ORLEANS TANK 6
 Component
Diesel Fuel
 Fluid
{not provided} (--- QTS)

DIAGNOSIS

Recommendation

All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel.

Corrosion

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

Contaminants

There is no bacteria or fungus (yeast and/or mold) indicated in the sample. The water content is negligible. There is no indication of any contamination in the fuel. The amount and size of particulates present in the system are acceptable.

Fuel Condition

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC06073464	WC05855829	WC05786664
Sample Date	Client Info			13 Dec 2023	17 May 2023	07 Feb 2023
Machine Age	hrs	Client Info		0	0	0
Sample Status				NORMAL	NORMAL	NORMAL

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		0.827	0.827	0.827
Fuel Color	text	*Visual Screen		Red	Red	Red
ASTM Color	scalar	*ASTM D1500		L4.0	L4.5	L4.5
Visc @ 40°C	cSt	ASTM D445		2.27	2.3	2.29

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		0	1	2
Sulfur (UVF)	ppm	ASTM D5453		5	8	6

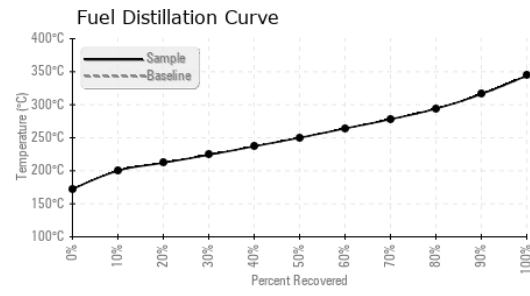
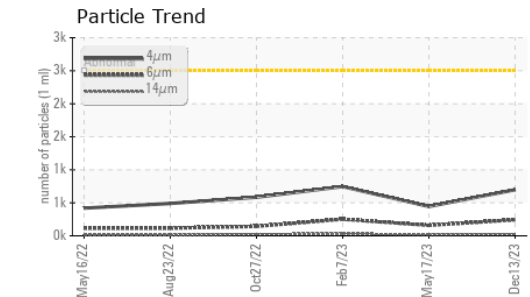
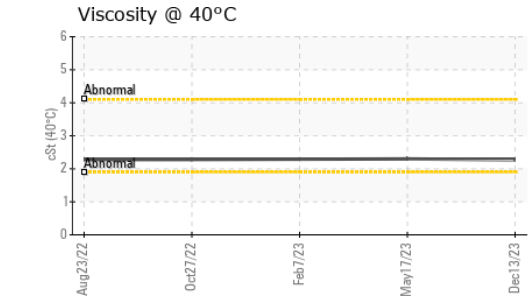
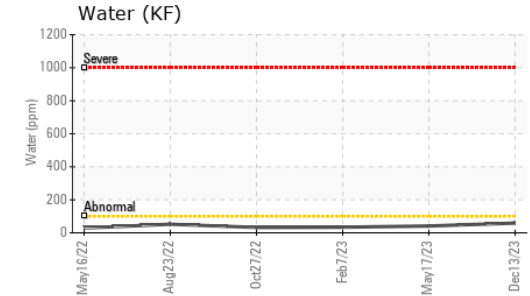
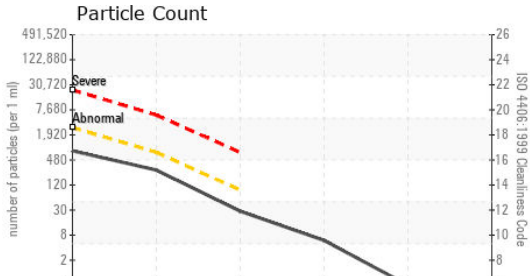
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		172	170	172
5% Distillation Point	°C	ASTM D86		193	193	193
10% Distill Point	°C	ASTM D86		200	200	201
15% Distillation Point	°C	ASTM D86		206	206	207
20% Distill Point	°C	ASTM D86		212	212	213
30% Distill Point	°C	ASTM D86		224	223	224
40% Distill Point	°C	ASTM D86		237	236	236
50% Distill Point	°C	ASTM D86		250	249	249
60% Distill Point	°C	ASTM D86		264	262	263
70% Distill Point	°C	ASTM D86		278	278	278
80% Distill Point	°C	ASTM D86		294	295	295
85% Distillation Point	°C	ASTM D86		3034	305	305
90% Distill Point	°C	ASTM D86		316	317	317
95% Distillation Point	°C	ASTM D86		333	336	335
Final Boiling Point	°C	ASTM D86		344	343	345
Distillation Residue	%	ASTM D86		1.4	1.4	1.4
Distillation Loss	%	ASTM D86		0.5	1.3	0.8

IGNITION QUALITY		method	limit/base	current	history1	history2
API Gravity		ASTM D7777		39.6	39.6	39.6
Cetane Index		ASTM D4737	<40.0	51.3	51.1	51.3

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0	0	<1
Sodium	ppm	ASTM D5185m	<0.1	0	0	<1
Potassium	ppm	ASTM D5185m	<0.1	0	<1	0
Water	%	ASTM D6304	<0.05	0.005	0.004	0.003
ppm Water	ppm	ASTM D6304	<500	59	41.3	34.0
% Gasoline	%	*In-House	<0.50	0.0	0.0	0.0
% Biodiesel	%	*In-House	<20.0	0.0	0.0	0.0



FUEL REPORT



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC06073464 **Received** : 30 Jan 2024
Lab Number : **06073464** **Diagnosed** : 06 Feb 2024
Unique Number : 10850141 **Diagnostician** : Doug Bogart
Test Package : DF-1 (Additional Tests: 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)

FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>2500	698	444	746
Particles >6µm	ASTM D7647	>640	242	158	251
Particles >14µm	ASTM D7647	>80	25	20	30
Particles >21µm	ASTM D7647	>20	5	5	6
Particles >38µm	ASTM D7647	>4	0	0	1
Particles >71µm	ASTM D7647	>3	0	0	0
Oil Cleanliness	ISO 4406 (c)	>18/16/13	17/15/12	16/14/11	17/15/12

HEAVY METALS	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m <0.1	0	0	0
Nickel	ppm	ASTM D5185m <0.1	0	<1	0
Lead	ppm	ASTM D5185m <0.1	0	0	0
Vanadium	ppm	ASTM D5185m <0.1	0	0	0
Iron	ppm	ASTM D5185m <0.1	0	<1	0
Calcium	ppm	ASTM D5185m <0.1	0	6	0
Magnesium	ppm	ASTM D5185m <0.1	0	4	0
Phosphorus	ppm	ASTM D5185m <0.1	0	5	0
Zinc	ppm	ASTM D5185m <0.1	0	6	0

SAMPLE IMAGES

	method	limit/base	current	history1	history2
Color					
Bottom					