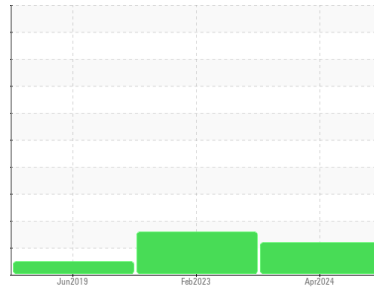




FUEL REPORT

Sample Rating Trend



VISUAL METAL



Area

[W141154]

Machine Id

MTU CAT00C66AN6D01278 - IRVING PARK

Component

Diesel Fuel

Fluid

DIESEL FUEL No. 2 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you filter this fluid before use. Resample at the next service interval to monitor.

Corrosion

Light concentration of visible metal present. All metal levels are normal indicating no corrosion in the cooling system.

Contaminants

The water content is negligible.

Fuel Condition

All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel (US EPA/CGSB-3.517-3 type B).

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0812834	WC0683082	WCDF00878
Sample Date	Client Info			01 Apr 2024	14 Feb 2023	28 Jun 2019
Machine Age	hrs	Client Info		0	132	0
Sample Status				ABNORMAL	ABNORMAL	NORMAL

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		L4.5	L4.5	L6.0
Visc @ 40°C	cSt	ASTM D445	4.1	2.46	2.53	2.47

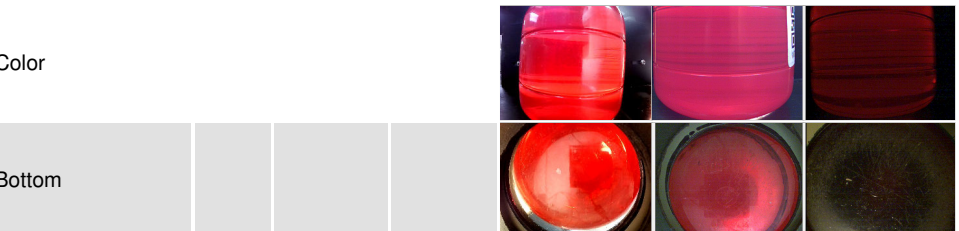
SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		34	0	337
Sulfur (UVF)	ppm	ASTM D5453		77	78	352

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0	▲ 126	2
Sodium	ppm	ASTM D5185m	<0.1	<1	0	<1
Potassium	ppm	ASTM D5185m	<0.1	0	0	2
Water	%	ASTM D6304	<0.05	0.003	0.004	0.004
ppm Water	ppm	ASTM D6304	<500	37	40.7	42.8
% Gasoline	%	*In-House	<0.50	0.0	0.0	0.0
% Biodiesel	%	*In-House	<20.0	0.0	0.0	0.0

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	---	777	---
Particles >6µm		ASTM D7647	>640	---	229	---
Particles >14µm		ASTM D7647	>80	---	38	---
Particles >21µm		ASTM D7647	>20	---	14	---
Particles >38µm		ASTM D7647	>4	---	0	---
Particles >71µm		ASTM D7647	>3	---	0	---
Oil Cleanliness		ISO 4406 (c)	>18/16/13	---	17/15/12	---

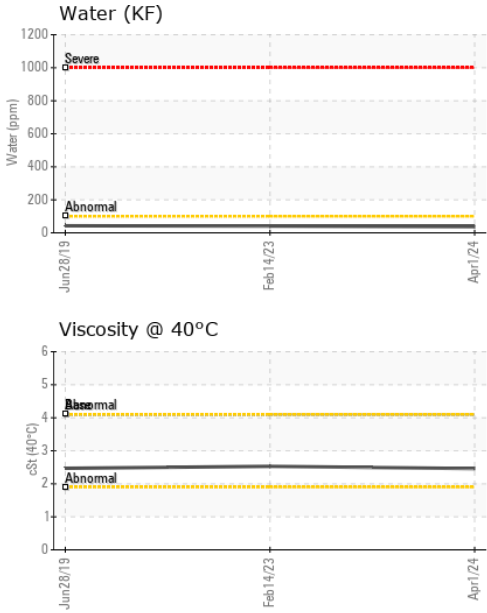
HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0	0	<1
Nickel	ppm	ASTM D5185m	<0.1	0	0	0
Lead	ppm	ASTM D5185m	<0.1	0	<1	<1
Vanadium	ppm	ASTM D5185m	<0.1	0	0	0
Iron	ppm	ASTM D5185m	<0.1	0	0	<1
Calcium	ppm	ASTM D5185m	<0.1	2	0	<1
Magnesium	ppm	ASTM D5185m	<0.1	0	3	<1
Phosphorus	ppm	ASTM D5185m	<0.1	0	3	2
Zinc	ppm	ASTM D5185m	<0.1	0	6	3

SAMPLE IMAGES		method	limit/base	current	history1	history2
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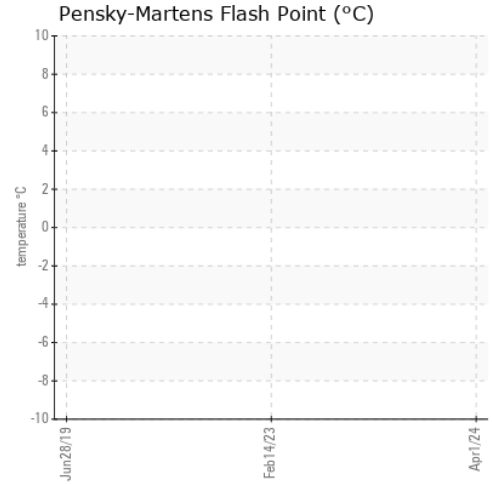




FUEL REPORT



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0812834 **Received** : 15 Apr 2024
Lab Number : 06149234 **Tested** : 26 Apr 2024
Unique Number : 10979312 **Diagnosed** : 26 Apr 2024 - Angela Borella
Test Package : DF-5 (Additional Tests: PritCount, 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)

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