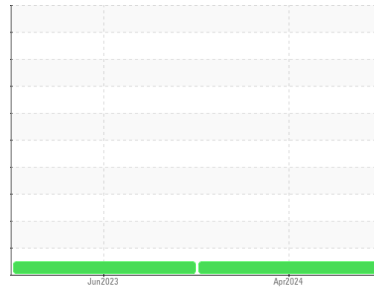




FUEL REPORT

Sample Rating Trend



NORMAL



Area

[PMOAS3188761]

Machine Id

50DGCAL36481A K880183490 (S/N 0656514)

Component

Diesel Fuel

Fluid

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- GAL)

DIAGNOSIS

Recommendation

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

Corrosion

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

Contaminants

The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. There is no indication of any contamination in the fuel.

Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			DC0035910	DC0029127	---
Sample Date	Client Info			19 Apr 2024	01 Jun 2023	---
Machine Age	hrs	Client Info		0	0	---
Sample Status				NORMAL	NORMAL	---

PHYSICAL PROPERTIES

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		L5.5	L4.5	---
Visc @ 40°C	cSt	ASTM D445	3.0	2.34	2.27	---

SULFUR CONTENT

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	111	338	---
Sulfur (UVF)	ppm	ASTM D5453		170	272	---

IGNITION QUALITY

IGNITION QUALITY		method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	37.2	37.5	---

CONTAMINANTS

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0	<1	---
Sodium	ppm	ASTM D5185m	<0.1	0	0	---
Potassium	ppm	ASTM D5185m	<0.1	0	<1	---
Water	%	ASTM D6304	<0.05	0.004	0.003	---
ppm Water	ppm	ASTM D6304	<500	47	36.1	---
% Gasoline	%	*In-House	<0.50	0.0	0.0	---
% Biodiesel	%	*In-House	<20.0	0.0	0.0	---

HEAVY METALS

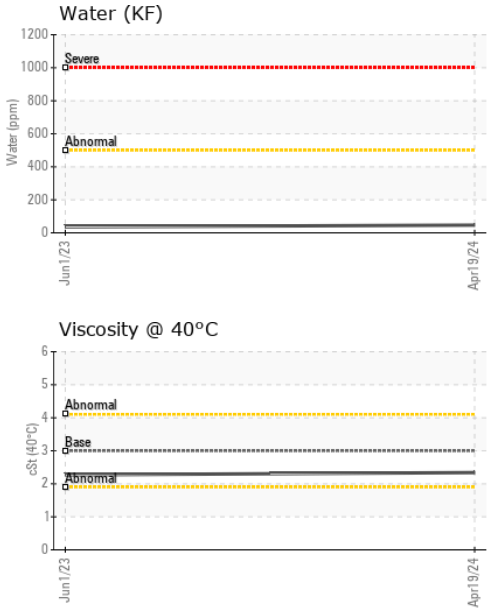
HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0	0	---
Nickel	ppm	ASTM D5185m	<0.1	0	0	---
Lead	ppm	ASTM D5185m	<0.1	0	<1	---
Vanadium	ppm	ASTM D5185m	<0.1	0	0	---
Iron	ppm	ASTM D5185m	<0.1	0	0	---
Calcium	ppm	ASTM D5185m	<0.1	<1	1	---
Magnesium	ppm	ASTM D5185m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

SAMPLE IMAGES

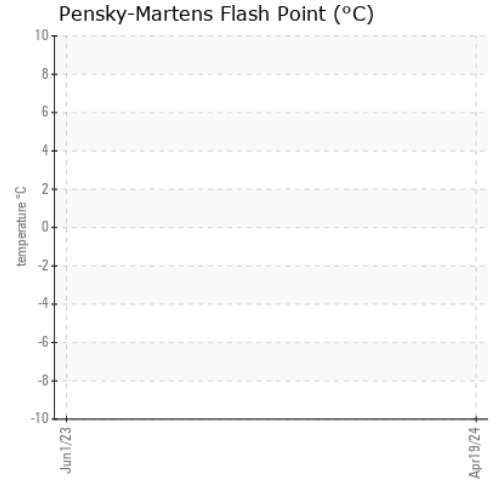
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						no image
Bottom						no image



FUEL REPORT



GRAPHS



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)

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0035910
Lab Number : 06160895
Unique Number : 10996318
Test Package : DF-5 (Additional Tests: API, Cetane, Fuel, PrtCount, Screen)

Received : 25 Apr 2024
Tested : 06 May 2024
Diagnosed : 06 May 2024 - Doug Bogart

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