



FUEL REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
FUEL CONDITION	NORMAL

Area
[PMIAS3286597]
 Machine Id
DQFAD A110182208 (S/N A110187208)
 Component
Diesel Fuel
 Fluid
No.2 DIESEL FUEL (LOW-SULPHUR) (35 GAL)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0034049	DC0016669	DC0014835
Sample Date		Client Info		15 Feb 2024	21 Feb 2023	11 Jan 2022
Machine Age	hrs	Client Info		309	299	285
Sample Status				NORMAL	NORMAL	NORMAL

CORROSION

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

Aluminum	ppm	ASTM D5185m	<0.1	0	<1	<1
Nickel	ppm	ASTM D5185m	<0.1	0	0	0
Lead	ppm	ASTM D5185m	<0.1	0	0	<1
Vanadium	ppm	ASTM D5185m	<0.1	0	<1	0
Iron	ppm	ASTM D5185m	<0.1	0	0	<1

CONTAMINANTS

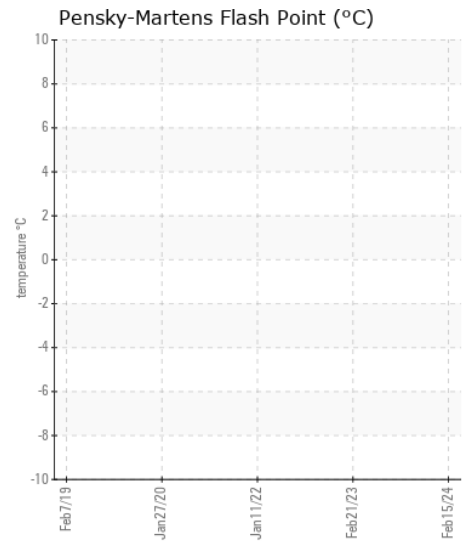
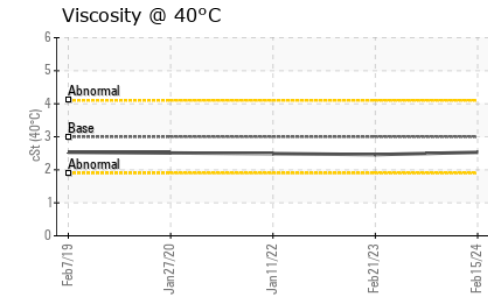
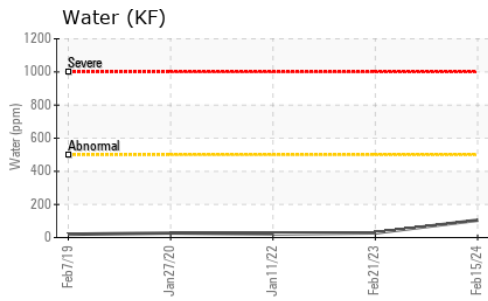
The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. There is no indication of any contamination in the fuel.

Silicon	ppm	ASTM D5185m	<1.0	<1	1	<1
Sodium	ppm	ASTM D5185m	<0.1	<1	<1	0
Potassium	ppm	ASTM D5185m	<0.1	0	0	0
Water	%	ASTM D6304	<0.05	0.010	0.003	0.002
ppm Water	ppm	ASTM D6304	<500	105	28.3	22.1
Particles >4µm		ASTM D7647	>2500	---	1969	---
Particles >6µm		ASTM D7647	>640	---	550	---
Particles >14µm		ASTM D7647	>80	---	47	---
Particles >21µm		ASTM D7647	>20	---	10	---
Particles >38µm		ASTM D7647	>4	---	0	---
Particles >71µm		ASTM D7647	>3	---	0	---
Oil Cleanliness		ISO 4406 (c)	>18/16/13	---	18/16/13	---
% Gasoline	%	*In-House	<0.50	0.0	0.0	---
% Biodiesel	%	*In-House	<20.0	0.0	0.0	---
Calcium	ppm	ASTM D5185m	<0.1	0	0	0
Magnesium	ppm	ASTM D5185m	<0.1	<1	<1	0
Phosphorus	ppm	ASTM D5185m	<0.1	0	0	3
Zinc	ppm	ASTM D5185m	<0.1	0	0	0

FUEL CONDITION

Sulfur value derived by ASTM D5453 method for ULSD validation.

ASTM Color	scalar	*ASTM D1500		L4.5	L4.0	---
Visc @ 40°C	cSt	ASTM D445	3.0	2.53	2.46	2.49
Sulfur	ppm	ASTM D5185m	250	25	0	201
Sulfur (UVF)	ppm	ASTM D5453		25	53	---
API Gravity		ASTM D7777	37.7	36.5	36.5	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0034049
Lab Number : 06103439
Unique Number : 10901669
Test Package : DF-5 (Additional Tests: API, Cetane, Fuel, Screen)

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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)