



FUEL REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
FUEL CONDITION	NORMAL

Area
[PMOAS3372457]

Machine Id
M05L08963301

Component
Diesel Fuel

Fluid
No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- QTS)

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		DC0034655	DC0029066	DC0014138
Sample Date		Client Info		18 Apr 2024	11 Apr 2023	26 Apr 2022
Machine Age	hrs	Client Info		0	0	287
Sample Status				NORMAL	NORMAL	NORMAL

CORROSION

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

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	<1	0
Iron	ppm	ASTM D5185m	<0.1	0	<1	0

CONTAMINANTS

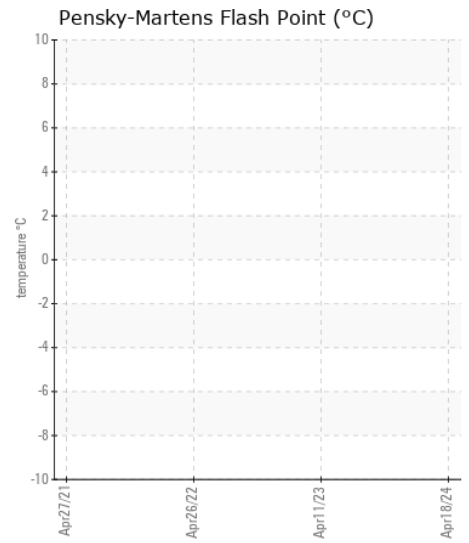
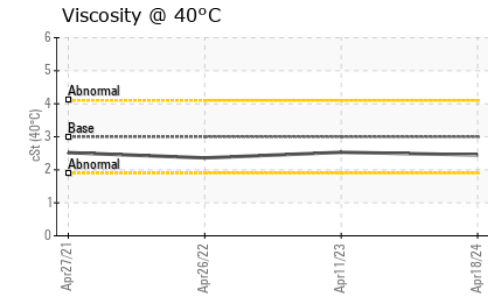
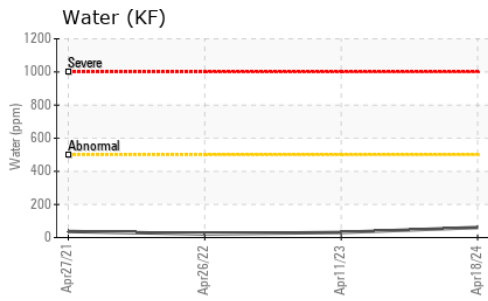
The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. There is no indication of any contamination in the fuel.

Silicon	ppm	ASTM D5185m	<1.0	0	<1	0
Sodium	ppm	ASTM D5185m	<0.1	0	<1	0
Potassium	ppm	ASTM D5185m	<0.1	0	<1	0
Water	%	ASTM D6304	<0.05	0.006	0.003	0.002
ppm Water	ppm	ASTM D6304	<500	61	31.0	22.4
Particles >4µm		ASTM D7647	>2500	---	108873	6059
Particles >6µm		ASTM D7647	>640	---	40013	3047
Particles >14µm		ASTM D7647	>80	---	965	655
Particles >21µm		ASTM D7647	>20	---	193	166
Particles >38µm		ASTM D7647	>4	---	5	9
Particles >71µm		ASTM D7647	>3	---	0	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	---	24/23/17	20/19/17
% Gasoline	%	*In-House	<0.50	0.0	0.0	0.0
% Biodiesel	%	*In-House	<20.0	0.0	0.0	0.0
Calcium	ppm	ASTM D5185m	<0.1	<1	1	0
Magnesium	ppm	ASTM D5185m	<0.1	0	6	0
Phosphorus	ppm	ASTM D5185m	<0.1	0	3	0
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		L4.0	L5.5	4.0
Visc @ 40°C	cSt	ASTM D445	3.0	2.45	2.53	2.36
Sulfur	ppm	ASTM D5185m	10	0	0	0
Sulfur (UVF)	ppm	ASTM D5453		14	18	20
API Gravity		ASTM D7777	37.7	37.0	36.9	37.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0034655
Lab Number : 06159976
Unique Number : 10995399
Test Package : DF-5 (Additional Tests: API, Cetane, Fuel, PrtCount, Screen)

Received : 24 Apr 2024
Tested : 06 May 2024
Diagnosed : 06 May 2024 - Doug Bogart

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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)