



FUEL REPORT

CORROSION	NORMAL
CONTAMINANTS	ABNORMAL
FUEL CONDITION	NORMAL

Area
[PMIAS2968260]

Machine Id
2101760

Component
Diesel Fuel

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

RECOMMENDATION

We advise that you filter this fluid before use. 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		DC0036941	DCM1040052	---
Sample Date		Client Info		29 May 2024	24 Aug 2017	---
Machine Age	hrs	Client Info		576	0	---
Sample Status				ABNORMAL	NORMAL	---

CORROSION

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

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

CONTAMINANTS

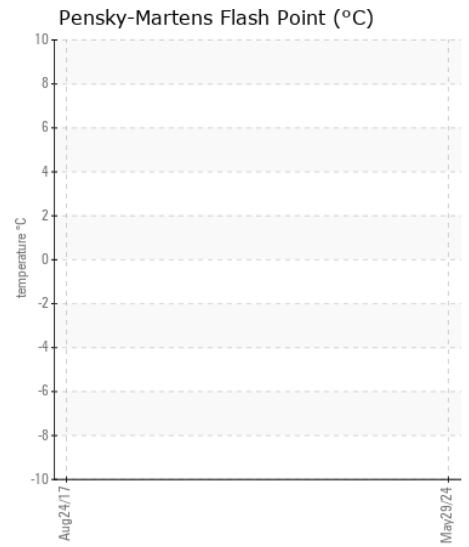
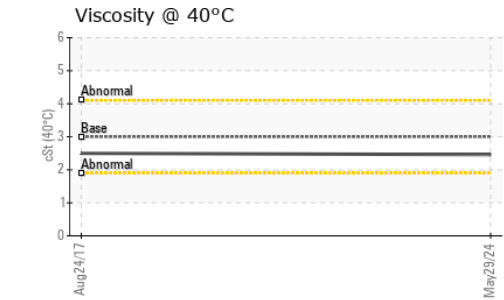
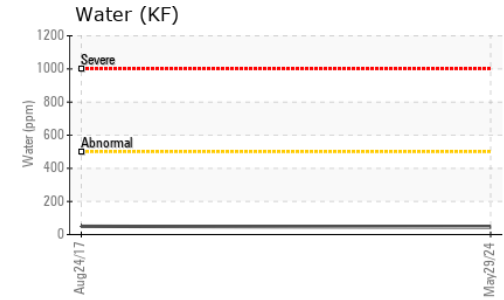
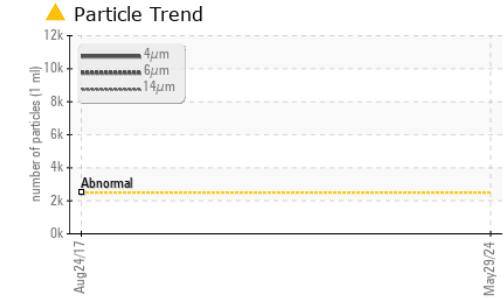
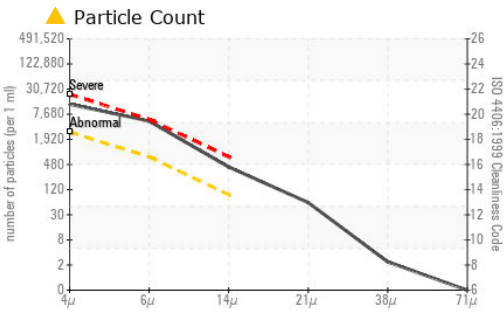
There is a high amount of particulates present in the fuel. The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. There is no indication of any contamination in the fuel.

Silicon	ppm	ASTM D5185m	<1.0	<1	<1	---
Sodium	ppm	ASTM D5185m	<0.1	1	0	---
Potassium	ppm	ASTM D5185m	<0.1	<1	0	---
Water	%	ASTM D6304	<0.05	0.004	0.005	---
ppm Water	ppm	ASTM D6304	<500	45	50	---
Particles >4µm		ASTM D7647	>2500	▲ 11585	---	---
Particles >6µm		ASTM D7647	>640	▲ 4600	---	---
Particles >14µm		ASTM D7647	>80	▲ 367	---	---
Particles >21µm		ASTM D7647	>20	▲ 52	---	---
Particles >38µm		ASTM D7647	>4	2	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>18/16/13	▲ 21/19/16	---	---
% Gasoline	%	*In-House	<0.50	0.0	0.0	---
% Biodiesel	%	*In-House	<20.0	1.7	2.7	---
Calcium	ppm	ASTM D5185m	<0.1	<1	13	---
Magnesium	ppm	ASTM D5185m	<0.1	0	<1	---
Phosphorus	ppm	ASTM D5185m	<0.1	2	2	---
Zinc	ppm	ASTM D5185m	<0.1	0	3	---

FUEL CONDITION

Sulfur value derived by ASTM D5453 method for ULSD validation.

ASTM Color	scalar	*ASTM D1500		L4.0	L4.0	---
Visc @ 40°C	cSt	ASTM D445	3.0	2.46	2.5	---
Sulfur	ppm	ASTM D5185m	10	19	245	---
Sulfur (UVF)	ppm	ASTM D5453		24	---	---
API Gravity		ASTM D7777	37.7	36.4	36.2	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0036941
Lab Number : 06220265
Unique Number : 11098462
Test Package : DF-5 (Additional Tests: API, Cetane, Fuel, PrtCount, 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)