



# FUEL REPORT

CORROSION	<b>NORMAL</b>
CONTAMINANTS	<b>NORMAL</b>
FUEL CONDITION	<b>NORMAL</b>

Area

**[PMOAS3372439]**

Machine Id

**R9637K35 5362002723 DIT 1 (S/N 0786787)**

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		<b>DC0035921</b>	DC0029067	DC0016659
Sample Date		Client Info		<b>12 Apr 2024</b>	12 Apr 2023	28 Apr 2022
Machine Age	hrs	Client Info		<b>2008</b>	1271	0
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## CORROSION

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

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

## CONTAMINANTS

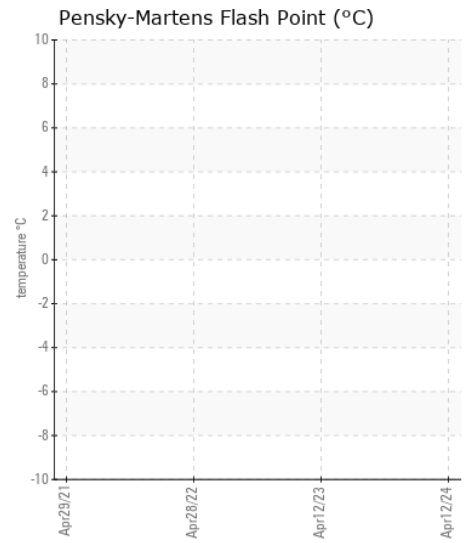
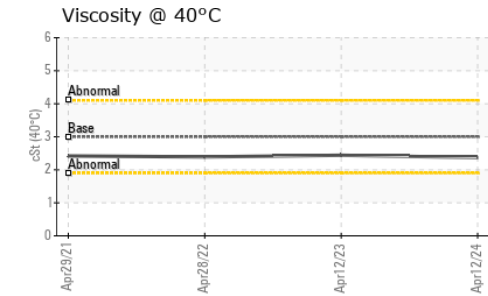
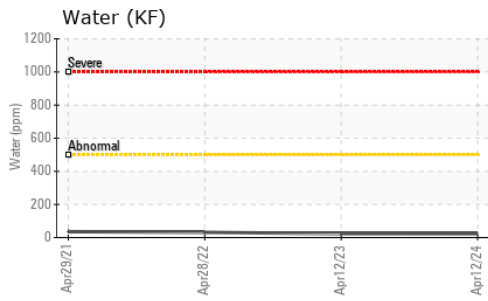
The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. There is no indication of any contamination in the fuel.

Silicon	ppm	ASTM D5185m	<1.0	<b>&lt;1</b>	<1	<1
Sodium	ppm	ASTM D5185m	<0.1	<b>&lt;1</b>	<1	0
Potassium	ppm	ASTM D5185m	<0.1	<b>&lt;1</b>	0	0
Water	%	ASTM D6304	<0.05	<b>0.002</b>	0.002	0.003
ppm Water	ppm	ASTM D6304	<500	<b>23</b>	23.3	31.7
% Gasoline	%	*In-House	<0.50	<b>0.0</b>	0.0	0.0
% Biodiesel	%	*In-House	<20.0	<b>0.0</b>	0.0	0.0
Calcium	ppm	ASTM D5185m	<0.1	<b>0</b>	<1	0
Magnesium	ppm	ASTM D5185m	<0.1	<b>0</b>	6	0
Phosphorus	ppm	ASTM D5185m	<0.1	<b>0</b>	3	2
Zinc	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0

## FUEL CONDITION

Sulfur value derived by ASTM D5453 method for ULSD validation.

ASTM Color	scalar	*ASTM D1500		<b>L4.5</b>	L4.5	L5.0
Visc @ 40°C	cSt	ASTM D445	3.0	<b>2.37</b>	2.44	2.39
Sulfur	ppm	ASTM D5185m	10	<b>17</b>	0	37
Sulfur (UVF)	ppm	ASTM D5453		<b>30</b>	38	39
API Gravity		ASTM D7777	37.7	<b>36.9</b>	36.9	36.8



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : DC0035921      **Received** : 17 Apr 2024  
**Lab Number** : 06152460      **Tested** : 30 Apr 2024  
**Unique Number** : 10982538      **Diagnosed** : 06 May 2024 - Doug Bogart  
**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)