



# FUEL REPORT

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

Area  
**[PMOAS3372592]**

Machine Id  
**3001702963**

Component  
**Diesel Fuel**

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

## RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>DC0035931</b>	DC0028829	DC0019283
Sample Date		Client Info		<b>24 Apr 2024</b>	06 Apr 2023	20 Apr 2022
Machine Age	hrs	Client Info		<b>165</b>	139	88
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>	0	0
Lead	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0
Iron	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0

## CONTAMINANTS

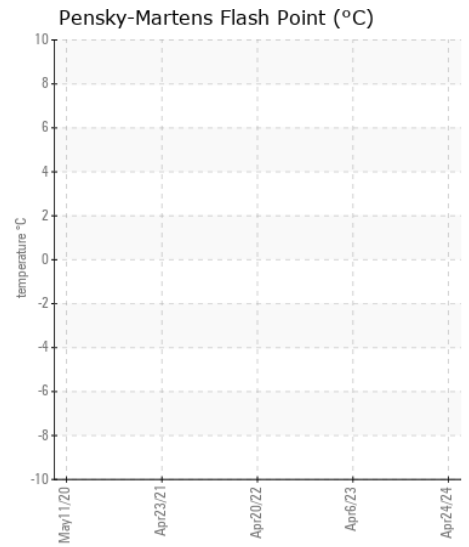
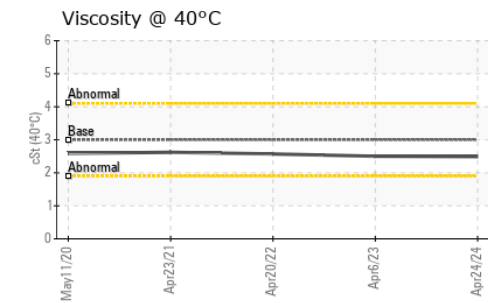
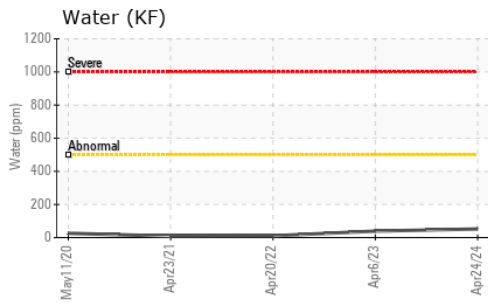
The water content is negligible. There is no Bacteria, Yeast and/or Fungus indicated in the sample. There is no indication of any contamination in the fuel.

Silicon	ppm	ASTM D5185m	<1.0	<b>0</b>	0	0
Sodium	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0
Potassium	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0
Water	%	ASTM D6304	<0.05	<b>0.005</b>	0.003	0.001
ppm Water	ppm	ASTM D6304	<500	<b>52</b>	39.0	10.7
Particles >4µm		ASTM D7647	>2500	<b>---</b>	1671	936
Particles >6µm		ASTM D7647	>640	<b>---</b>	805	350
Particles >14µm		ASTM D7647	>80	<b>---</b>	170	45
Particles >21µm		ASTM D7647	>20	<b>---</b>	63	13
Particles >38µm		ASTM D7647	>4	<b>---</b>	6	1
Particles >71µm		ASTM D7647	>3	<b>---</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<b>---</b>	18/17/15	17/16/13
% 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>	0	0
Magnesium	ppm	ASTM D5185m	<0.1	<b>&lt;1</b>	0	0
Phosphorus	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0
Zinc	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0

## FUEL CONDITION

Sulfur value derived by ASTM D5453 method for ULSD validation. Sulfur level is acceptable for ULSD specification.

ASTM Color	scalar	*ASTM D1500		<b>L4.0</b>	L4.0	L5.0
Visc @ 40°C	cSt	ASTM D445	3.0	<b>2.49</b>	2.5	2.57
Sulfur	ppm	ASTM D5185m	10	<b>0</b>	10	0
Sulfur (UVF)	ppm	ASTM D5453		<b>14</b>	15	10
API Gravity		ASTM D7777	37.7	<b>36.8</b>	36.8	36.7



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : DC0035931  
**Lab Number** : 06159980  
**Unique Number** : 10995403  
**Test Package** : DF-5 ( Additional Tests: API, Cetane, Fuel, PrtCount, Screen )

**KELLY GENERATOR & EQUIPMENT INC**  
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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)