

### **FUEL REPORT**

### Area [PMOAS2144706] 6D24-302687 20A02330-5 (S/N 2057502) Component

**Diesel Fuel** Fluic

No.2 DIESEL FUEL (LOW-SULPHUR) (--- GAL)

### Recommendation

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

### Corrosion

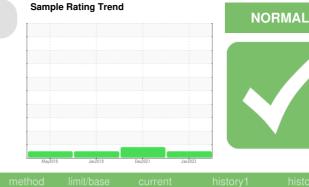
All metal levels are normal indicating no corrosion in the system.

#### Contaminants

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

#### **Fuel Condition**

Sulfur value derived by ASTM D5453 method for ULSD validation.

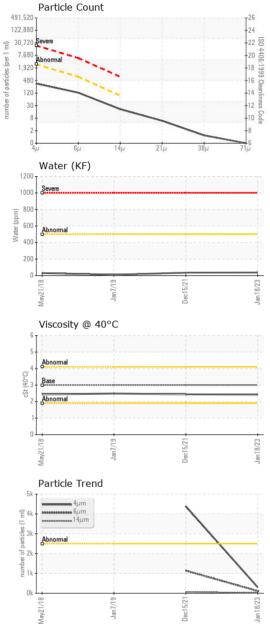




May2018 Jan2019 Dec2021 Jan2023						
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		DC0019312	DC0014086	DCM1040120
Sample Date		Client Info		18 Jan 2023	15 Dec 2021	07 Jan 2019
Machine Age	hrs	Client Info		818	790	703
Sample Status				NORMAL	ATTENTION	NORMAL
PHYSICAL PRO	PERTIES	6 method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		L4.5	L4.5	L5.5
Visc @ 40°C	cSt	ASTM D445	3.0	2.42	2.44	2.49
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	250	168	169	262
Sulfur (UVF)	ppm	ASTM D5453	200	136	169	292
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IGNITION QUALI	IΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	36.4		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0	0	0
Sodium	ppm	ASTM D5185m	<0.1	0	<1	<1
Potassium	ppm	ASTM D5185m	<0.1	0	0	0
Water	%	ASTM D6304	<0.05	0.003	0.003	0.001
ppm Water	ppm	ASTM D6304	<500	36.4	34.8	10
% Gasoline	%	*In-House	<0.50	0.0	0.0	0.0
% Biodiesel	%	*In-House	<20.0	0.0	0.0	0.0
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	302	4385	
Particles >6µm		ASTM D7647	>640	111	🔺 1138	
Particles >14µm		ASTM D7647	>80	18	66	
Particles >21µm		ASTM D7647	>20	5	14	
Particles >38µm		ASTM D7647	>4	1	1	
Particles >71µm		ASTM D7647		0	0	
Oil Cleanliness		ISO 4406 (c)	>18/16/13	15/14/11	▲ 19/17/13	
HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0	0	<1
Nickel	ppm	ASTM D5185m		0	0	0
Lead	ppm	ASTM D5185m	<0.1	0	0	0
Vanadium	ppm	ASTM D5185m	<0.1	0	0	0
Iron	ppm	ASTM D5185m	<0.1	0	0	0
Calcium	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	<0.1	0	0	0
Phosphorus	ppm	ASTM D5185m		0	<1	0
Zinc	ppm	ASTM D5185m	<0.1	0	0	0

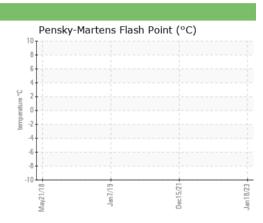


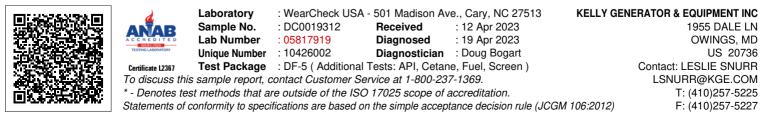
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## GRAPHS





Contact/Location: LESLIE SNURR - KELOWI