



FUEL REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
FUEL CONDITION	NORMAL

Area
[PMIAS53286198]
 Machine Id
GENERAC 1156799010 2104933B
 Component
Diesel Fuel
 Fluid
No.2 DIESEL FUEL (LOW-SULPHUR) (15 GAL)

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		DC0033096	DC0019555	DC0019297
Sample Date		Client Info		22 Feb 2024	14 Feb 2023	13 Jan 2022
Machine Age	hrs	Client Info		0	185	177
Sample Status				NORMAL	NORMAL	NORMAL

CORROSION

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

Aluminum	ppm	ASTM D5185m	<0.1	0	<1	<1
Nickel	ppm	ASTM D5185m	<0.1	0	0	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	0	0

CONTAMINANTS

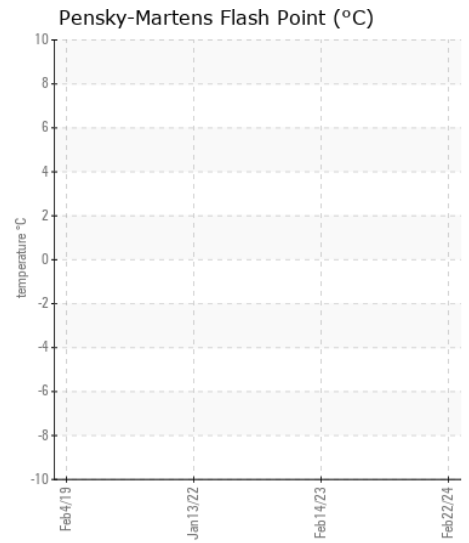
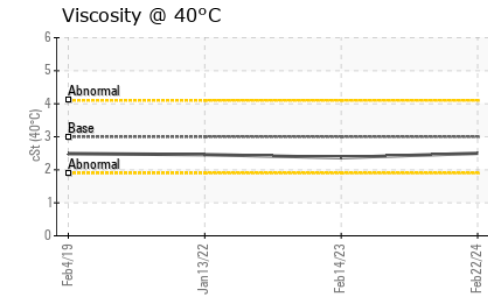
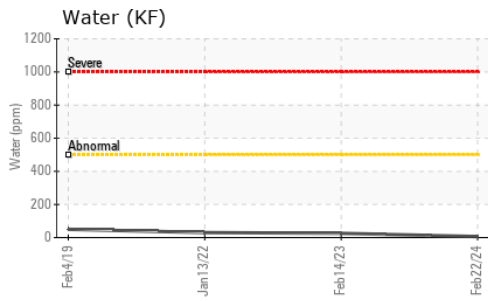
The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. There is no indication of any contamination in the fuel.

Silicon	ppm	ASTM D5185m	<1.0	0	1	0
Sodium	ppm	ASTM D5185m	<0.1	<1	<1	0
Potassium	ppm	ASTM D5185m	<0.1	0	0	0
Water	%	ASTM D6304	<0.05	0.001	0.003	0.003
ppm Water	ppm	ASTM D6304	<500	6	25.8	30.0
Particles >4µm		ASTM D7647	>2500	---	453	905
Particles >6µm		ASTM D7647	>640	---	125	270
Particles >14µm		ASTM D7647	>80	---	13	31
Particles >21µm		ASTM D7647	>20	---	3	8
Particles >38µm		ASTM D7647	>4	---	0	0
Particles >71µm		ASTM D7647	>3	---	0	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	---	16/14/11	17/15/12
% 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	0	0
Magnesium	ppm	ASTM D5185m	<0.1	0	<1	0
Phosphorus	ppm	ASTM D5185m	<0.1	0	0	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		L3.0	L3.5	L2.0
Visc @ 40°C	cSt	ASTM D445	3.0	2.5	2.37	2.46
Sulfur	ppm	ASTM D5185m	250	5	0	2
Sulfur (UVF)	ppm	ASTM D5453		41	25	22
API Gravity		ASTM D7777	37.7	36.9	36.9	36.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0033096
Lab Number : 06122859
Unique Number : 10937010
Test Package : MOB 1 (Additional Tests: API, Cetane, Color-ASTM, Fuel, GC-PercFuel, KF, PrtCoun

Received : 19 Mar 2024
Tested : 07 Apr 2024
Diagnosed : 07 Apr 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)