



FUEL REPORT

CORROSION	NORMAL
CONTAMINANTS	ABNORMAL
FUEL CONDITION	NORMAL

Machine Id
DETROIT GEN 6 - NOVANT HEALTH
 Component
Tank Diesel Fuel
 Fluid
No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- GAL)

RECOMMENDATION

We advise that you filter this fluid before use. Resample at the next service interval to monitor.

CORROSION

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

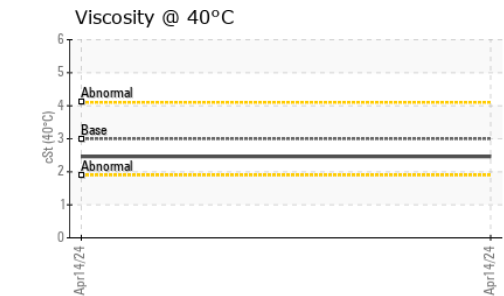
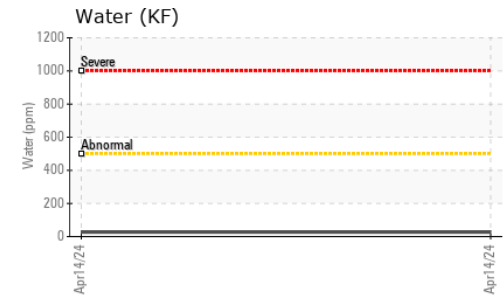
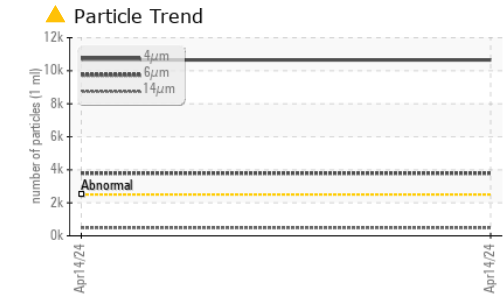
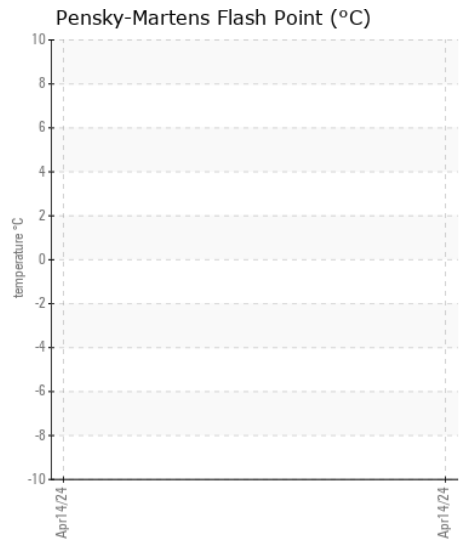
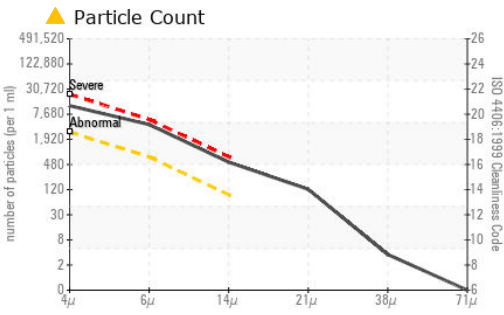
CONTAMINANTS

There is a high amount of particulates present in the fuel. The water content is negligible.

FUEL CONDITION

All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel (US EPA/CGSB-3.517-3 type B).

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0030164	---	---
Sample Date		Client Info		14 Apr 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Sample Status				ABNORMAL	---	---
Aluminum	ppm	ASTM D5185m	<0.1	0	---	---
Nickel	ppm	ASTM D5185m	<0.1	0	---	---
Lead	ppm	ASTM D5185m	<0.1	0	---	---
Vanadium	ppm	ASTM D5185m	<0.1	0	---	---
Iron	ppm	ASTM D5185m	<0.1	0	---	---
Silicon	ppm	ASTM D5185m	<1.0	0	---	---
Sodium	ppm	ASTM D5185m	<0.1	<1	---	---
Potassium	ppm	ASTM D5185m	<0.1	0	---	---
Water	%	ASTM D6304	<0.05	0.003	---	---
ppm Water	ppm	ASTM D6304	<500	27	---	---
Particles >4µm		ASTM D7647	>2500	▲ 10651	---	---
Particles >6µm		ASTM D7647	>640	▲ 3792	---	---
Particles >14µm		ASTM D7647	>80	▲ 479	---	---
Particles >21µm		ASTM D7647	>20	▲ 108	---	---
Particles >38µm		ASTM D7647	>4	3	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>18/16/13	▲ 21/19/16	---	---
% Gasoline	%	*In-House	<0.50	0.0	---	---
% Biodiesel	%	*In-House	<20.0	0.0	---	---
Calcium	ppm	ASTM D5185m	<0.1	2	---	---
Magnesium	ppm	ASTM D5185m	<0.1	0	---	---
Phosphorus	ppm	ASTM D5185m	<0.1	0	---	---
Zinc	ppm	ASTM D5185m	<0.1	0	---	---
ASTM Color	scalar	*ASTM D1500		L4.5	---	---
Visc @ 40°C	cSt	ASTM D445	3.0	2.46	---	---
Sulfur	ppm	ASTM D5185m	10	23	---	---
Sulfur (UVF)	ppm	ASTM D5453		65	---	---
API Gravity		ASTM D7777	37.7	36.5	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0030164
Lab Number : **06149232**
Unique Number : 10979310
Test Package : DF-5 (Additional Tests: API, Cetane, Fuel, Screen)

Received : 15 Apr 2024
Tested : 19 Apr 2024
Diagnosed : 26 Apr 2024 - Angela Borella

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)

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