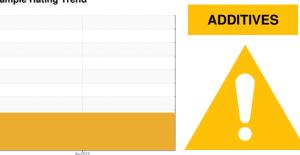


# **FUEL REPORT**

Sample Rating Trend



Machine Id

# **CUMMINS GEN 2 - NOVANT HEALTH**

Tank Diesel Fuel

No.2 DIESEL FUEL (ULTRALOW SULPHUF

### **DIAGNOSIS**

#### 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 moderate amount of particulates present in the fuel. The water content is negligible.

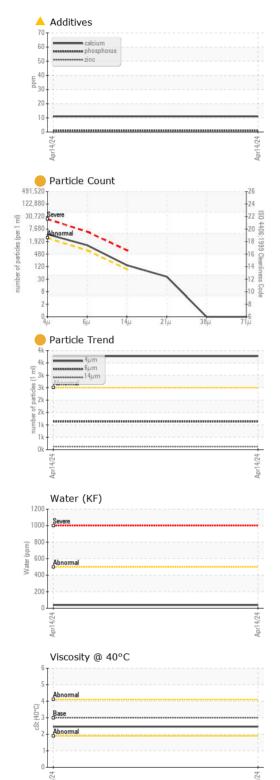
#### ▲ Fuel Condition

Laboratory tests indicate that this sample does NOT meet specifications for No.2 ultra-low-sulfur diesel fuel (US EPA/CGSB-3.517-3 type B).

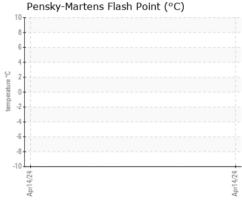
) ( GAL)				Apr2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		DC0030160		
Sample Date		Client Info		14 Apr 2024		
Machine Age	hrs	Client Info		0		
Sample Status				ABNORMAL		
PHYSICAL PRO	PERTIES	method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		L4.5		
Visc @ 40°C	cSt	ASTM D445	3.0	2.46		
SULFUR CONTE	ENT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	<u> </u>		
Sulfur (UVF)	ppm	ASTM D5453		118		
IGNITION QUAL	ITY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	36.1		
CONTAMINANT	S	method	limit/base	current	history1	history2
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	38		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		
FLUID CLEANLI	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	<b>3771</b>		
Particles >6µm		ASTM D7647	>640	<u> </u>		
Particles >14μm		ASTM D7647	>80	<b>124</b>		
Particles >21µm		ASTM D7647	>20	<b>35</b>		
Particles >38µm		ASTM D7647	>4	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<b>19/17/14</b>		
HEAVY METALS	3	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m		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		
Calcium	ppm	ASTM D5185m	<0.1	<u> </u>		
Magnesium	ppm	ASTM D5185m	<0.1	0		
Phosphorus	ppm	ASTM D5185m	<0.1	1		
Zinc	ppm	ASTM D5185m	<0.1	0		



# **FUEL REPORT**



SAMPLE IMAGES	method	limit/base	current	history1	history2	
Color				no image	no image	
Bottom				no image	no image	
GRAPHS						
	Density Markers Flack Daint (00)					







Certificate 12367

Laboratory

**Sample No.** : DC0030160 Lab Number : 06149231

Unique Number : 10979309

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested** Diagnosed

: 15 Apr 2024 : 19 Apr 2024

: 26 Apr 2024 - Angela Borella Test Package: DF-5 (Additional Tests: API, Cetane, Fuel, Screen)

**JE RICHARDS** 4600 HARGROVE DR LANHAM, MD US 20706 Contact: E. NOEL

enoel@phalconusa.com

T: (240)623-4398

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)