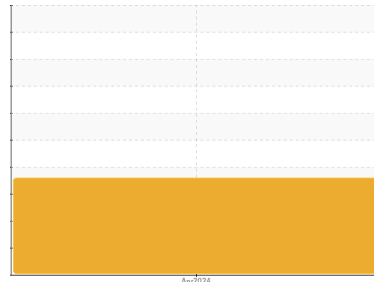




FUEL REPORT

Sample Rating Trend



ADDITIVES



Machine Id

CUMMINS GEN 3 - NOVANT HEALTH

Component

Tank Diesel Fuel

Fluid

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

DIAGNOSIS

▲ Recommendation

We advise that you filter this fluid before use.

Corrosion

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

▲ Contaminants

There is a high amount of particulates present in the fuel. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. The water content is negligible.

● Fuel Condition

Additive levels indicate the addition of oil. Sulfur value derived by ASTM D5453 method for ULSD validation.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			DC0030161	---	---
Sample Date	Client Info			14 Apr 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Sample Status				ABNORMAL	---	---

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		L4.5	---	---
Visc @ 40°C	cSt	ASTM D445	3.0	2.73	---	---

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	241	---	---
Sulfur (UVF)	ppm	ASTM D5453		215	---	---

IGNITION QUALITY		method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	35.9	---	---

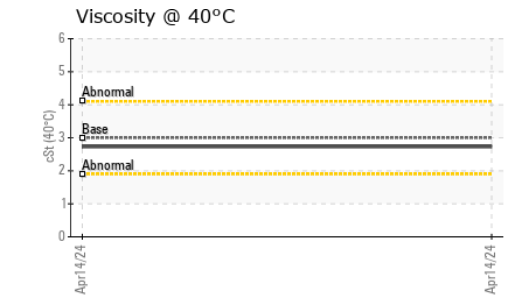
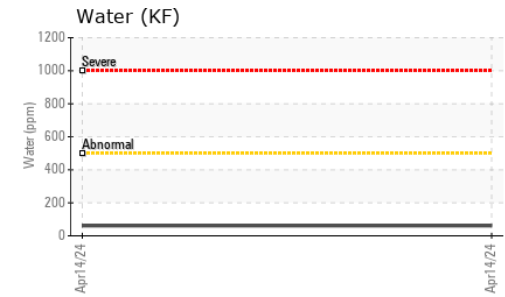
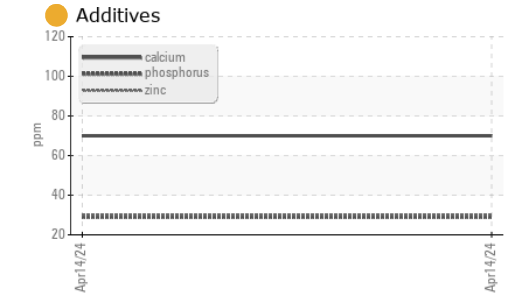
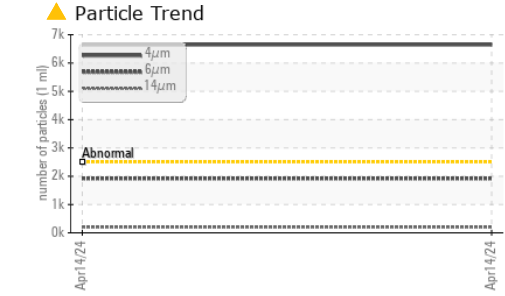
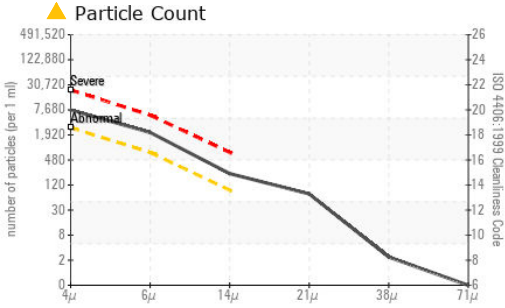
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<1	---	---
Sodium	ppm	ASTM D5185m	<0.1	<1	---	---
Potassium	ppm	ASTM D5185m	<0.1	<1	---	---
Water	%	ASTM D6304	<0.05	0.006	---	---
ppm Water	ppm	ASTM D6304	<500	61	---	---
% Gasoline	%	*In-House	<0.50	0.0	---	---
% Biodiesel	%	*In-House	<20.0	0.0	---	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	▲ 6645	---	---
Particles >6µm		ASTM D7647	>640	▲ 1921	---	---
Particles >14µm		ASTM D7647	>80	▲ 199	---	---
Particles >21µm		ASTM D7647	>20	▲ 65	---	---
Particles >38µm		ASTM D7647	>4	2	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>18/16/13	▲ 20/18/15	---	---

HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0	---	---
Nickel	ppm	ASTM D5185m	<0.1	<1	---	---
Lead	ppm	ASTM D5185m	<0.1	<1	---	---
Vanadium	ppm	ASTM D5185m	<0.1	<1	---	---
Iron	ppm	ASTM D5185m	<0.1	<1	---	---
Calcium	ppm	ASTM D5185m	<0.1	● 70	---	---
Magnesium	ppm	ASTM D5185m	<0.1	0	---	---
Phosphorus	ppm	ASTM D5185m	<0.1	● 29	---	---
Zinc	ppm	ASTM D5185m	<0.1	● 30	---	---

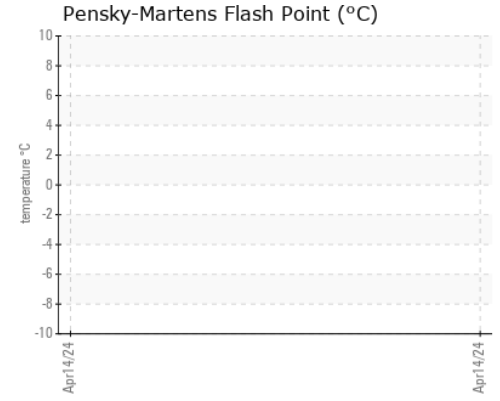


FUEL REPORT



SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0030161 **Received** : 15 Apr 2024
Lab Number : 06149227 **Tested** : 06 May 2024
Unique Number : 10979305 **Diagnosed** : 06 May 2024 - Doug Bogart
Test Package : DF-5 (Additional Tests: API, Cetane, Fuel, Screen)

JE RICHARDS
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 LANHAM, MD
 US 20706
 Contact: E. NOEL
 enoel@phalconusa.com
 T: (240)623-4398
 F:

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)