



FUEL REPORT

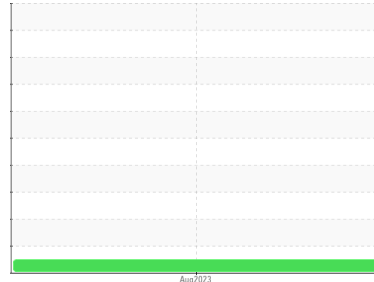
Sample Rating Trend

NORMAL



Machine Id
CATEPILLAR C4-4 CAT0044CP4B00689

Component
Tank Diesel Fuel
Fluid
NOT GIVEN (--- GAL)



DIAGNOSIS

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

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.

Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	DC0012417	---	---
Sample Date	Client Info	08 Aug 2023	---	---
Machine Age	hrs Client Info	584	---	---
Sample Status		NORMAL	---	---

PHYSICAL PROPERTIES

method	limit/base	current	history1	history2
ASTM Color	scalar *ASTM D1500	L4.0	---	---
Visc @ 40°C	cSt ASTM D445	2.53	---	---

SULFUR CONTENT

method	limit/base	current	history1	history2
Sulfur	ppm ASTM D5185m	0	---	---
Sulfur (UVF)	ppm ASTM D5453	25	---	---

IGNITION QUALITY

method	limit/base	current	history1	history2
API Gravity	ASTM D7777	35.5	---	---


CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m <1.0	0	---	---
Sodium	ppm ASTM D5185m <0.1	0	---	---
Potassium	ppm ASTM D5185m <0.1	<1	---	---
Water	% ASTM D6304 <0.05	0.003	---	---
ppm Water	ppm ASTM D6304 <500	34.2	---	---
% Gasoline	% *In-House <0.50	0.0	---	---
% Biodiesel	% *In-House <20.0	0.0	---	---

HEAVY METALS

method	limit/base	current	history1	history2
Aluminum	ppm ASTM D5185m <0.1	<1	---	---
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	7	---	---
Magnesium	ppm ASTM D5185m <0.1	6	---	---
Phosphorus	ppm ASTM D5185m <0.1	6	---	---
Zinc	ppm ASTM D5185m <0.1	6	---	---

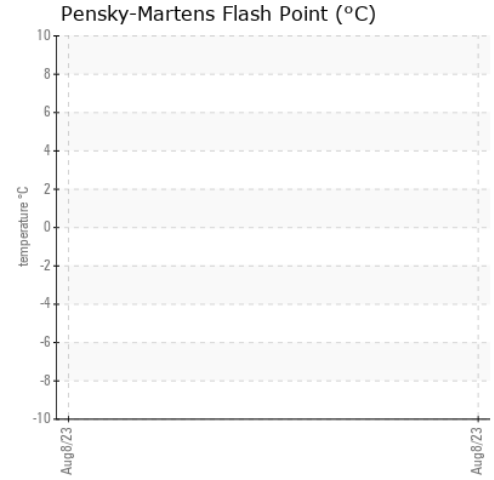
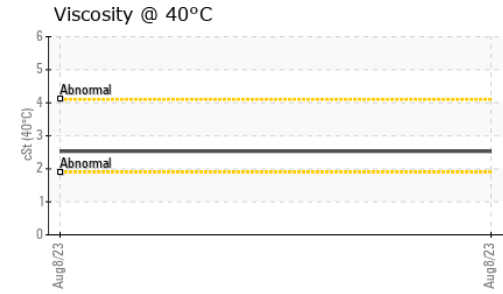
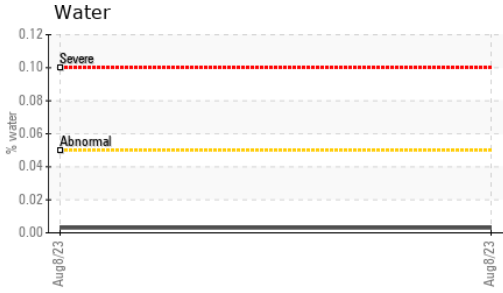
SAMPLE IMAGES

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



FUEL REPORT

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0012417 **Received** : 15 Aug 2023
Lab Number : 05925197 **Diagnosed** : 23 Aug 2023
Unique Number : 10605144 **Diagnostician** : Doug Bogart
Test Package : DF-5 (Additional Tests: API, Cetane, Fuel, Screen)

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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