



FUEL REPORT

Sample Rating Trend

NORMAL



Area

[W131796]

Machine Id

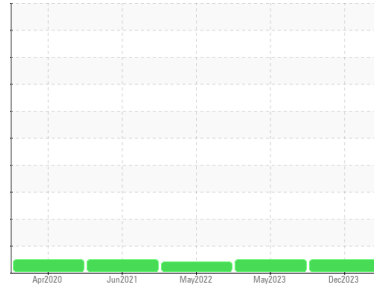
CUMMINS K160120527 - HILLCO GREEN HAVEN

Component

Diesel Fuel

Fluid

No.2 DIESEL FUEL (LOW-SULPHUR) (1100 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, Yeast and/or Fungus 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	WC0797391	WC0770645	WC0663335
Sample Date	Client Info	11 Dec 2023	09 May 2023	26 May 2022
Machine Age	hrs	0	338	0
Sample Status		NORMAL	NORMAL	ABNORMAL

PHYSICAL PROPERTIES

method	limit/base	current	history1	history2	
ASTM Color	scalar	*ASTM D1500	L5.0	L4.5	L5.5
Visc @ 40°C	cSt	ASTM D445	3.0	2.6	2.57

SULFUR CONTENT

method	limit/base	current	history1	history2		
Sulfur	ppm	ASTM D5185m	250	223	222	280
Sulfur (UVF)	ppm	ASTM D5453		192	222	268

CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	<1.0	<1	0	<1
Sodium	ppm	ASTM D5185m	<0.1	0	0	<1
Potassium	ppm	ASTM D5185m	<0.1	0	<1	0
Water	%	ASTM D6304	<0.05	0.005	0.002	0.003
ppm Water	ppm	ASTM D6304	<500	54	20.4	29.7
% Gasoline	%	*In-House	<0.50	0.0	0.0	0.0
% Biodiesel	%	*In-House	<20.0	0.0	0.0	1.1

HEAVY METALS

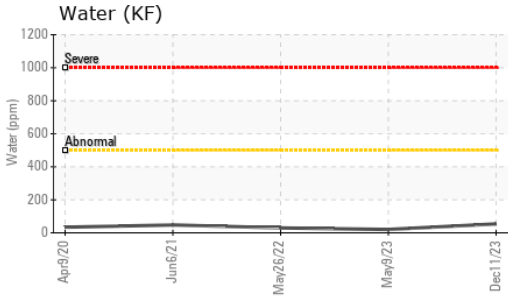
method	limit/base	current	history1	history2		
Aluminum	ppm	ASTM D5185m	<0.1	0	0	0
Nickel	ppm	ASTM D5185m	<0.1	0	0	0
Lead	ppm	ASTM D5185m	<0.1	0	0	0
Vanadium	ppm	ASTM D5185m	<0.1	<1	0	0
Iron	ppm	ASTM D5185m	<0.1	0	2	0
Calcium	ppm	ASTM D5185m	<0.1	0	0	0
Magnesium	ppm	ASTM D5185m	<0.1	0	0	0
Phosphorus	ppm	ASTM D5185m	<0.1	0	0	5
Zinc	ppm	ASTM D5185m	<0.1	0	0	0

SAMPLE IMAGES

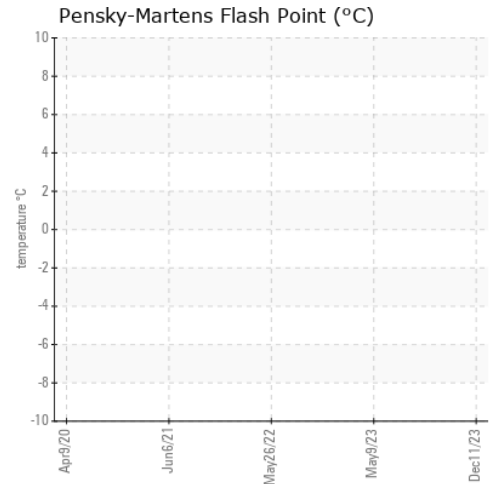
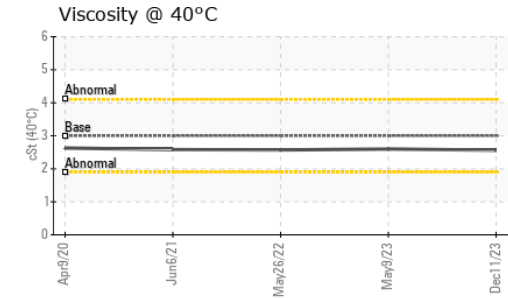
method	limit/base	current	history1	history2
Color				
Bottom				



FUEL REPORT



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0797391 **Received** : 16 Jan 2024
Lab Number : 06061599 **Diagnosed** : 23 Jan 2024
Unique Number : 10832981 **Diagnostician** : Doug Bogart
Test Package : DF-5 (Additional Tests: 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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