

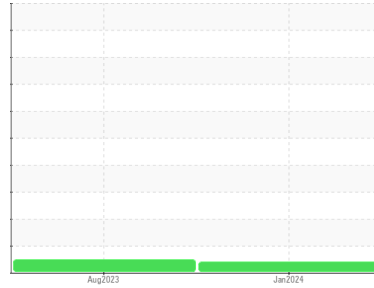


FUEL REPORT

Sample Rating Trend

VIS DEBRIS

Area
[W130744]
 Machine Id
3004623670 - TRINITY PLACE
 Component
Diesel Fuel
 Fluid
{not provided} (--- GAL)



DIAGNOSIS

Recommendation

We suspect abnormal contamination may be due to sampling method. We recommend you service the filters on this component if applicable. All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel.

Corrosion

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

Contaminants

Moderate concentration of visible dirt/debris 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

Sulfur value derived by ASTM D5453 method for ULSD validation. Sulfur level is acceptable for ULSD specification.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0812877	WC0753278	---
Sample Date	Client Info	23 Jan 2024	02 Aug 2023	---
Machine Age	hrs	0	0	---
Sample Status		MARGINAL	NORMAL	---

PHYSICAL PROPERTIES

method	limit/base	current	history1	history2	
ASTM Color	scalar	*ASTM D1500	L4.5	L4.5	---
Visc @ 40°C	cSt	ASTM D445	2.59	2.53	---

SULFUR CONTENT

method	limit/base	current	history1	history2	
Sulfur	ppm	ASTM D5185m	0	0	---
Sulfur (UVF)	ppm	ASTM D5453	7	7	---

CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	<1.0	0	0	---
Sodium	ppm	ASTM D5185m	<0.1	0	0	---
Potassium	ppm	ASTM D5185m	<0.1	0	0	---
Water	%	ASTM D6304	<0.05	0.007	0.005	---
ppm Water	ppm	ASTM D6304	<500	77	56.0	---
% Gasoline	%	*In-House	<0.50	0.0	0.0	---
% Biodiesel	%	*In-House	<20.0	0.0	0.0	---

HEAVY METALS

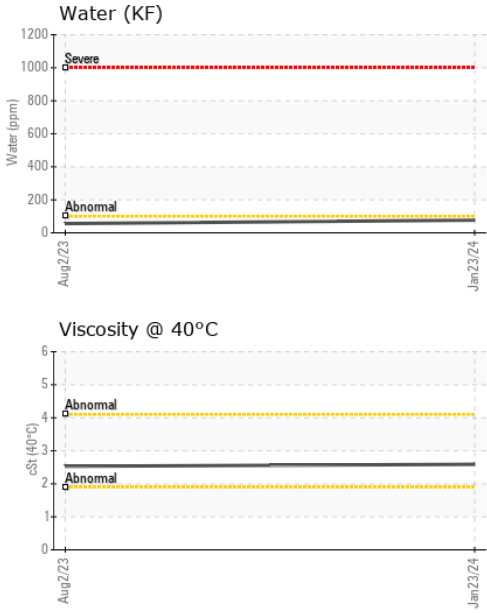
method	limit/base	current	history1	history2		
Aluminum	ppm	ASTM D5185m	<0.1	0	<1	---
Nickel	ppm	ASTM D5185m	<0.1	0	0	---
Lead	ppm	ASTM D5185m	<0.1	0	0	---
Vanadium	ppm	ASTM D5185m	<0.1	0	<1	---
Iron	ppm	ASTM D5185m	<0.1	0	0	---
Calcium	ppm	ASTM D5185m	<0.1	0	0	---
Magnesium	ppm	ASTM D5185m	<0.1	0	2	---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

SAMPLE IMAGES

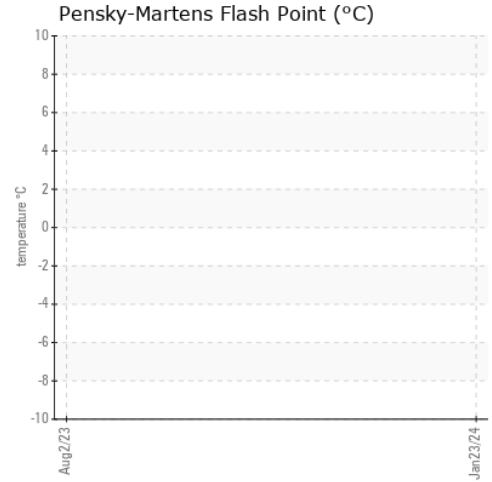
method	limit/base	current	history1	history2	
Color					<i>no image</i>
Bottom					<i>no image</i>



FUEL REPORT



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0812877 **Received** : 29 Jan 2024
Lab Number : 06073437 **Tested** : 08 Feb 2024
Unique Number : 10850114 **Diagnosed** : 08 Feb 2024 - Doug Bogart
Test Package : DF-5 (Additional Tests: Bacteria, Screen)

NATIONAL POWER CORP
 4541 PRESLYN DR
 RALEIGH, NC
 US 27616
 Contact: BRANDON RICE
 brandon.rice@natpow.com
 T:
 F: (919)790-9714

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)