



FUEL REPORT

Sample Rating Trend

NORMAL



Area
[W123670]
 Machine Id
USID 154255
 Component
Diesel Fuel
 Fluid
DIESSEL FUEL No. 1 (--- GAL)



DIAGNOSIS

Recommendation

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

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. Sulfur level is acceptable for ULSD specification.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0753295	---	---
Sample Date	Client Info	10 Oct 2023	---	---
Machine Age	hrs Client Info	0	---	---
Sample Status		NORMAL	---	---

PHYSICAL PROPERTIES

method	limit/base	current	history1	history2
ASTM Color	scalar *ASTM D1500	L3.5	---	---
Visc @ 40°C	cSt ASTM D445 2.4	2.57	---	---

SULFUR CONTENT

method	limit/base	current	history1	history2
Sulfur	ppm ASTM D5185m	3	---	---
Sulfur (UVF)	ppm ASTM D5453	10	---	---

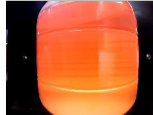

CONTAMINANTS

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	0	---	---
Water	% ASTM D6304 <0.05	0.007	---	---
ppm Water	ppm ASTM D6304 <500	72.5	---	---
% Gasoline	% *In-House <0.50	0.0	---	---
% Biodiesel	% *In-House <20.0	0.0	---	---

HEAVY METALS

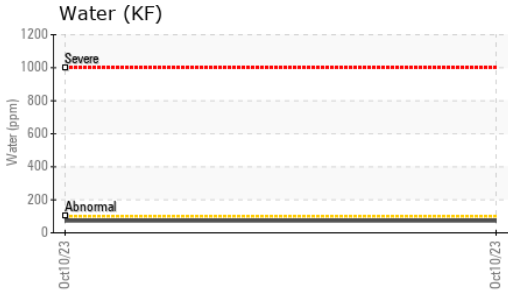
method	limit/base	current	history1	history2
Aluminum	ppm ASTM D5185m <0.1	0	---	---
Nickel	ppm ASTM D5185m <0.1	0	---	---
Lead	ppm ASTM D5185m <0.1	0	---	---
Vanadium	ppm ASTM D5185m <0.1	0	---	---
Iron	ppm ASTM D5185m <0.1	0	---	---
Calcium	ppm ASTM D5185m <0.1	<1	---	---
Magnesium	ppm ASTM D5185m 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

SAMPLE IMAGES

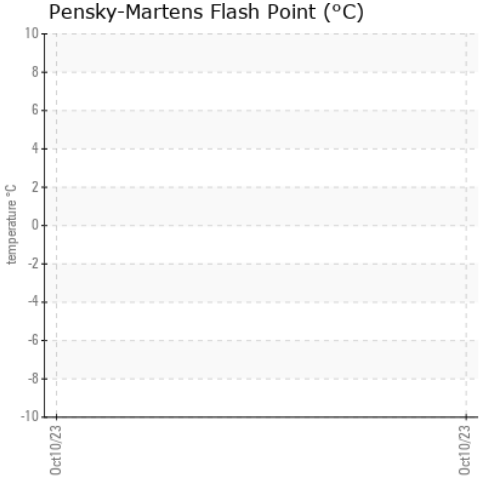
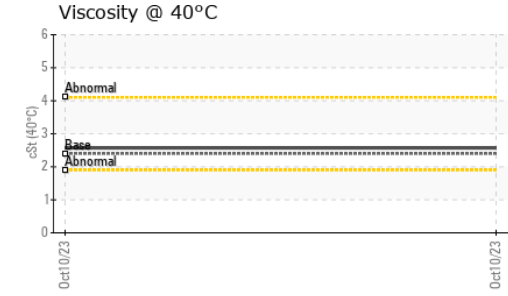
method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image



FUEL REPORT



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0753295 **Received** : 16 Oct 2023
Lab Number : 05980807 **Diagnosed** : 08 Nov 2023
Unique Number : 10698102 **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)

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