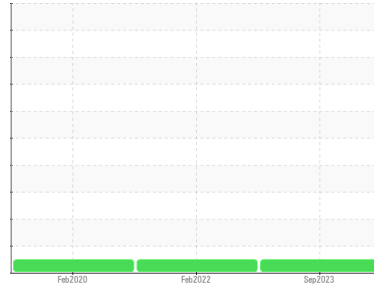




FUEL REPORT

Sample Rating Trend

NORMAL



Machine Id
KOHLER HILLCO/CLEAR CREEK

Component
Diesel Fuel
Fluid

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (2644 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time.

Corrosion

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

Contaminants

The water content is negligible. There is no indication of any contamination in the fuel.

Fuel Condition

The condition of the fuel is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0637092	WCDF04146	WCM1366807
Sample Date	Client Info	29 Sep 2023	10 Feb 2022	28 Feb 2020
Machine Age	hrs	562	0	386
Sample Status		NORMAL	NORMAL	NORMAL

PHYSICAL PROPERTIES

method	limit/base	current	history1	history2	
ASTM Color	scalar	*ASTM D1500	L4.0	L5.0	L5.5
Visc @ 40°C	cSt	ASTM D445	3.0	2.67	2.55

SULFUR CONTENT

method	limit/base	current	history1	history2	
Sulfur	ppm	ASTM D5185m	10	2	11

CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	<1.0	<1	0	0
Sodium	ppm	ASTM D5185m	<0.1	<1	0	<1
Potassium	ppm	ASTM D5185m	<0.1	0	0	0
Water	%	ASTM D6304	<0.05	0.004	0.003	0.004
ppm Water	ppm	ASTM D6304	<500	41.2	28.9	41.4

HEAVY METALS

method	limit/base	current	history1	history2		
Aluminum	ppm	ASTM D5185m	<0.1	0	<1	0
Nickel	ppm	ASTM D5185m	<0.1	0	0	0
Lead	ppm	ASTM D5185m	<0.1	0	0	1
Vanadium	ppm	ASTM D5185m	<0.1	0	0	0
Iron	ppm	ASTM D5185m	<0.1	0	0	<1
Calcium	ppm	ASTM D5185m	<0.1	4	0	4
Magnesium	ppm	ASTM D5185m	<0.1	0	0	<1
Phosphorus	ppm	ASTM D5185m	<0.1	0	2	<1
Zinc	ppm	ASTM D5185m	<0.1	2	0	2

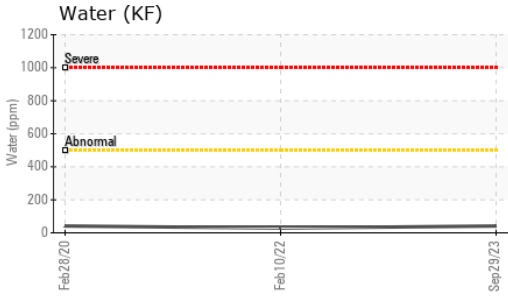
SAMPLE IMAGES

method	limit/base	current	history1	history2
Color				
Bottom				

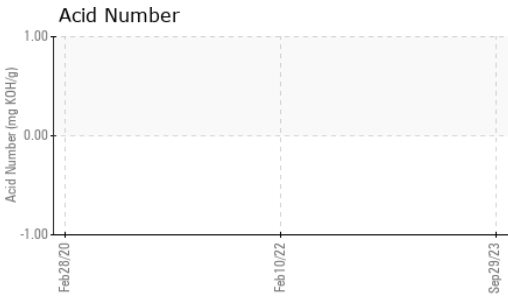
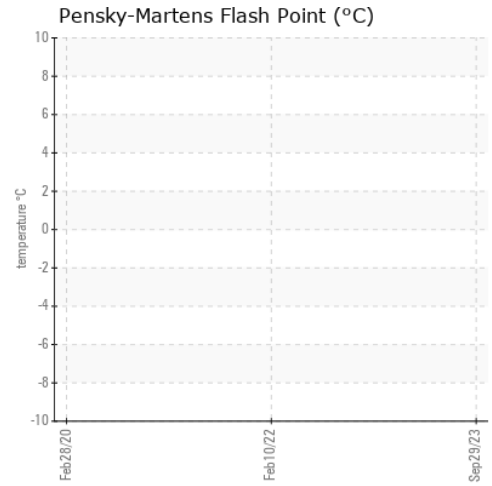
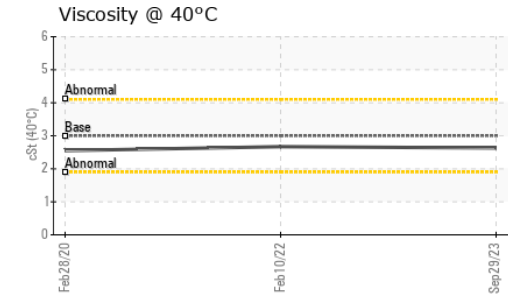
The images show the fuel's color and the residue at the bottom of the test tubes. The top row shows three test tubes with a reddish-orange color. The bottom row shows three test tubes with a reddish-brown residue at the bottom.



FUEL REPORT



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0637092 **Received** : 06 Nov 2023
Lab Number : 05999491 **Diagnosed** : 14 Nov 2023
Unique Number : 10727851 **Diagnostician** : Doug Bogart
Test Package : MOB 1 (Additional Tests: Color-ASTM, KF)

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