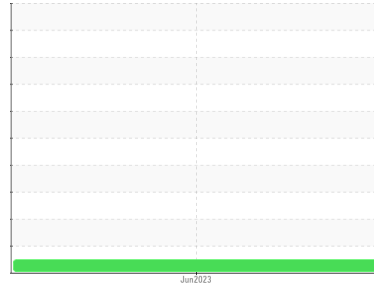




FUEL REPORT

Sample Rating Trend

NORMAL



Machine Id
JSD LINER COVE
 Component
Diesel Fuel
 Fluid
DISEL FUEL No. 1 (--- LTR)

DIAGNOSIS

Recommendation

All laboratory tests indicate that this sample meets specifications for No.2 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. The amount and size of particulates present in the system are acceptable.

Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation.

SAMPLE INFORMATION		method	limit/base	current	history 1	history 2
Sample Number	Client Info			WC0824237	---	---
Sample Date	Client Info			01 Jun 2023	---	---
Machine Age	mls	Client Info		0	---	---
Sample Status				NORMAL	---	---

PHYSICAL PROPERTIES		method	limit/base	current	history 1	history 2
ASTM Color	scalar	*ASTM D1500		L4.5	---	---
Visc @ 40°C	cSt	ASTM D445	2.4	2.53	---	---

SULFUR CONTENT		method	limit/base	current	history 1	history 2
Sulfur	ppm	ASTM D5185m		1507	---	---
Sulfur (UVF)	ppm	ASTM D5453		962	---	---

CONTAMINANTS		method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	<1.0	<1	---	---
Sodium	ppm	ASTM D5185m	<0.1	<1	---	---
Potassium	ppm	ASTM D5185m	<0.1	0	---	---
Water	%	ASTM D6304	<0.05	0.005	---	---
ppm Water	ppm	ASTM D6304	<500	57.0	---	---
% Gasoline	%	*In-House	<0.50	0.0	---	---
% Biodiesel	%	*In-House	<20.0	0.0	---	---

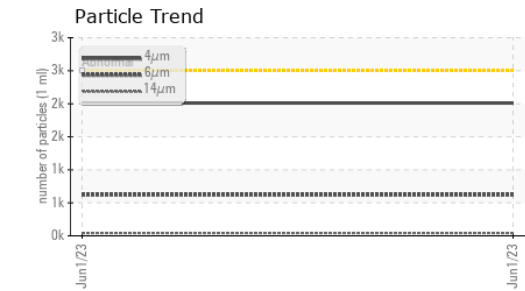
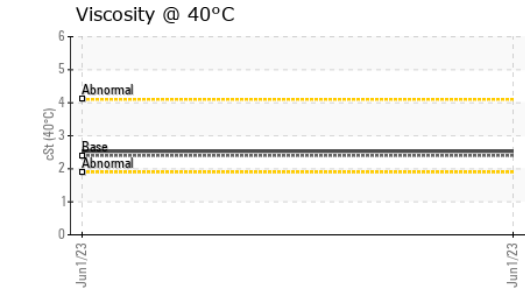
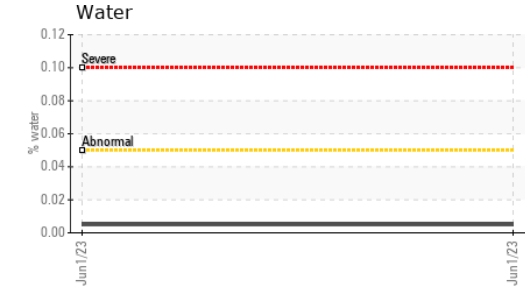
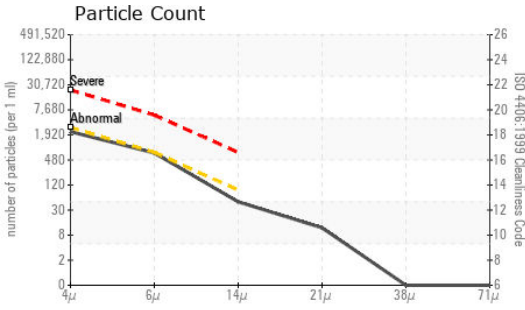
FLUID CLEANLINESS		method	limit/base	current	history 1	history 2
Particles >4µm		ASTM D7647	>2500	2011	---	---
Particles >6µm		ASTM D7647	>640	621	---	---
Particles >14µm		ASTM D7647	>80	42	---	---
Particles >21µm		ASTM D7647	>20	10	---	---
Particles >38µm		ASTM D7647	>4	0	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>18/16/13	18/16/13	---	---

HEAVY METALS		method	limit/base	current	history 1	history 2
Aluminum	ppm	ASTM D5185m	<0.1	0	---	---
Nickel	ppm	ASTM D5185m	<0.1	<1	---	---
Lead	ppm	ASTM D5185m	<0.1	0	---	---
Vanadium	ppm	ASTM D5185m	<0.1	0	---	---
Iron	ppm	ASTM D5185m	<0.1	1	---	---
Calcium	ppm	ASTM D5185m	<0.1	4	---	---
Magnesium	ppm	ASTM D5185m	<0.1	4	---	---
Phosphorus	ppm	ASTM D5185m	<0.1	6	---	---
Zinc	ppm	ASTM D5185m	<0.1	4	---	---

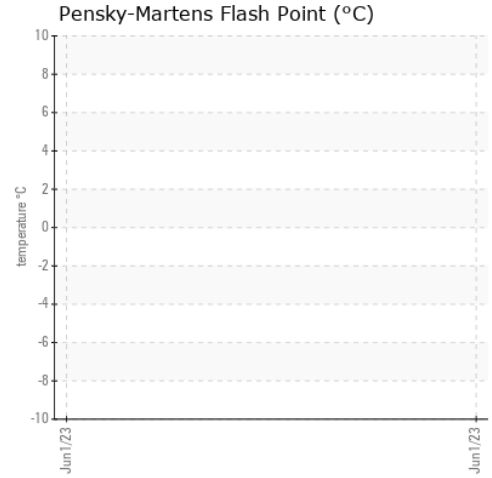
SAMPLE IMAGES		method	limit/base	current	history 1	history 2
Color					no image	no image
Bottom					no image	no image



FUEL REPORT



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0824237 **Received** : 15 Jun 2023
Lab Number : 05875174 **Diagnosed** : 22 Jun 2023
Unique Number : 10520277 **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)

STARTEK ELECTRIC
 20407 GREAT SMOKEY MOUNTAIN EXPRESS
 WAYNESVILLE, NC
 US 28786

Contact: TRACEY RICH
traceyrich18@yahoo.com

T: (828)456-3386

F: