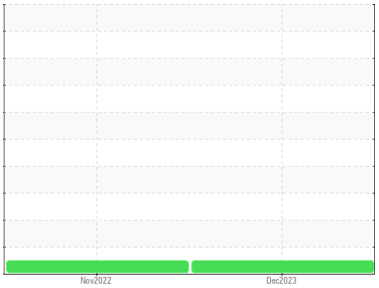
FUEL REPORT

Sample Rating Trend



NORMAL

Machine Id
FPT E003-266374
Component
Diesel Fuel
Fluid
NOT GIVEN (--- 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 D4294 method for ULSD validation.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**AOL06026948**	AOL05716739	---
Sample Date		Client Info		**06 Dec 2023**	16 Nov 2022	---
Machine Age	hrs	Client Info		**186**	0	---
Sample Status				**NORMAL**	NORMAL	---

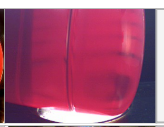
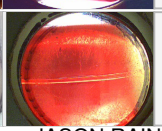
PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		**4.0**	L4.5	---
Visc @ 40°C	cSt	ASTM D445		**2.23**	2.2	---

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		**0**	0	---
Sulfur (UVF)	ppm	ASTM D5453		**3**	2	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	**0**	6	---
Sodium	ppm	ASTM D5185m	<0.1	**0**	0	---
Potassium	ppm	ASTM D5185m	<0.1	**<1**	1	---
Water	%	ASTM D6304	<0.05	**0.001**	0.003	---
ppm Water	ppm	ASTM D6304	<500	**11**	29.3	---
% Gasoline	%	*In-House	<0.50	**0.0**	0.0	---
% Biodiesel	%	*In-House	<20.0	**0.0**	0.0	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	**1562**	29208	---
Particles >6µm		ASTM D7647	>640	**643**	3219	---
Particles >14µm		ASTM D7647	>80	**92**	73	---
Particles >21µm		ASTM D7647	>20	**25**	19	---
Particles >38µm		ASTM D7647	>4	**1**	2	---
Particles >71µm		ASTM D7647	>3	**0**	1	---
Oil Cleanliness		ISO 4406 (c)	>18/16/13	**18/17/14**	22/19/13	---

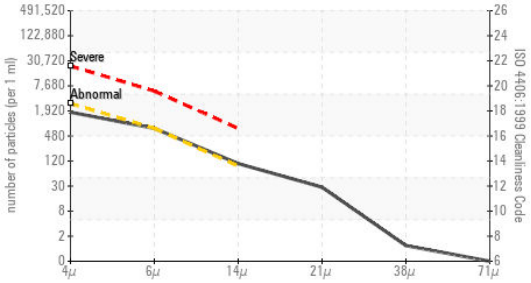
HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	**0**	0	---
Nickel	ppm	ASTM D5185m	<0.1	**0**	0	---
Lead	ppm	ASTM D5185m	<0.1	**0**	0	---
Vanadium	ppm	ASTM D5185m	<0.1	**0**	0	---
Iron	ppm	ASTM D5185m	<0.1	**0**	0	---
Calcium	ppm	ASTM D5185m	<0.1	**0**	0	---
Magnesium	ppm	ASTM D5185m	<0.1	**0**	0	---
Phosphorus	ppm	ASTM D5185m	<0.1	**0**	4	---
Zinc	ppm	ASTM D5185m	<0.1	**0**	0	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					*no image*
Bottom					*no image*

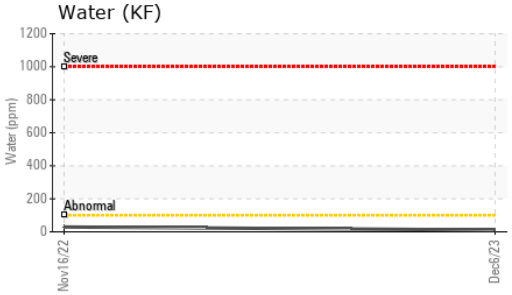
FUEL REPORT

GRAPHS

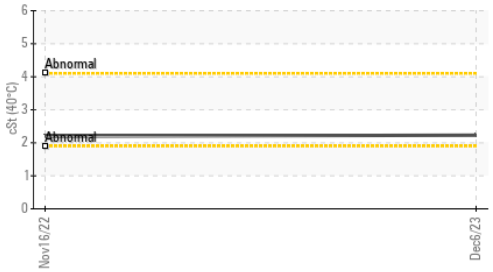
Particle Count



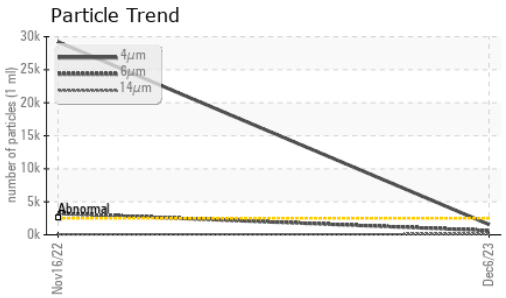
Water (KF)



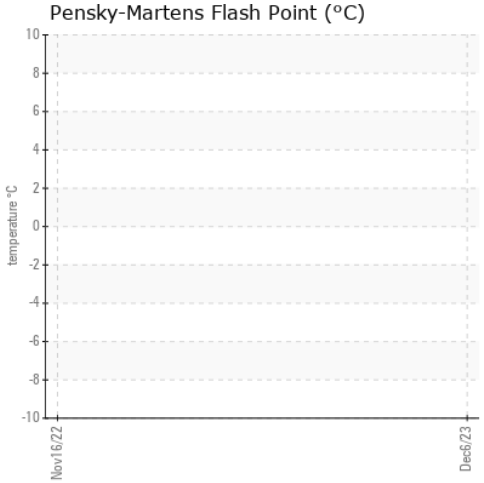
Viscosity @ 40°C



Particle Trend



Pensky-Martens Flash Point (°C)



Certificate L2367

Laboratory	: WearCheck USA - 501 Madison Ave., Cary, NC 27513		
Sample No.	: AOL06026948	**Received**	: 06 Dec 2023
Lab Number	: 06026948	**Diagnosed**	: 14 Dec 2023
Unique Number	: 10776739	**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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