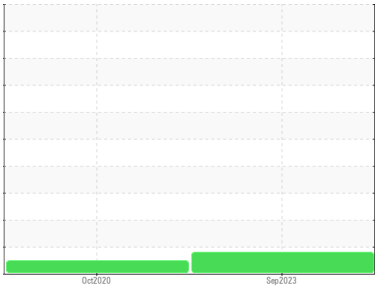
FUEL REPORT

Sample Rating Trend



ISO

Area
GUAY SON [CONHER]
Machine Id
IBACO BM ISMAR II
Component
FRONT FRONT Diesel Fuel
Fluid
NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation
This is a baseline read-out on the submitted sample. No corrective action is recommended at this time.

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

Contaminants
There is a moderate amount of silt (particulates < 14 microns in size) present in the fuel. The water content is negligible.

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		**KL0012853**	KL0004675	---
Sample Date		Client Info		**20 Sep 2023**	22 Oct 2020	---
Machine Age	hrs	Client Info		**0**	1	---
Sample Status				**ATTENTION**	NORMAL	---

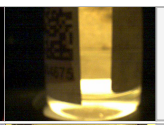
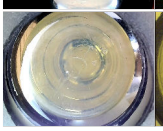
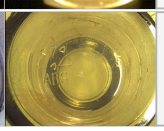
PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		**2.46**	3.37	---

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		**0**	290	---

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**	8	---
Water	%	ASTM D6304	<0.05	**0.001**	0.001	---
ppm Water	ppm	ASTM D6304	<500	**9.3**	11.7	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		**3829**	3149	---
Particles >6µm		ASTM D7647	>640	▲ **1017**	140	---
Particles >14µm		ASTM D7647	>80	**71**	11	---
Particles >21µm		ASTM D7647	>20	**15**	3	---
Particles >38µm		ASTM D7647	>4	**2**	0	---
Particles >71µm		ASTM D7647	>3	**0**	0	---
Oil Cleanliness		ISO 4406 (c)	>16/13	▲ **17/13**	14/11	---

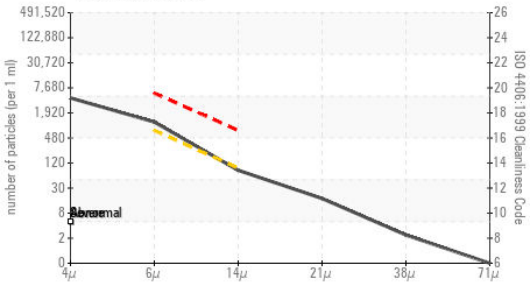
HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	**4**	0	---
Nickel	ppm	ASTM D5185m	<0.1	**0**	0	---
Lead	ppm	ASTM D5185m	<0.1	**0**	0	---
Vanadium	ppm	ASTM D5185m	<0.1	**0**	0	---
Iron	ppm	ASTM D5185m	<0.1	**0**	0	---
Calcium	ppm	ASTM D5185m	<0.1	**0**	0	---
Magnesium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

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

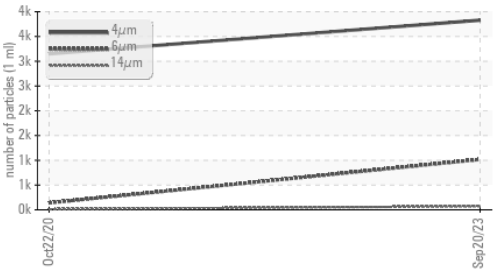
FUEL REPORT

GRAPHS

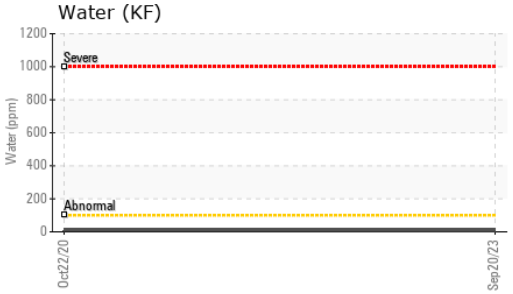
Particle Count



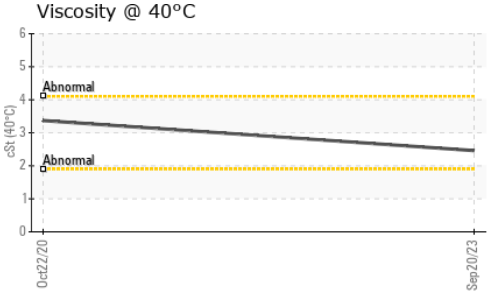
Particle Trend



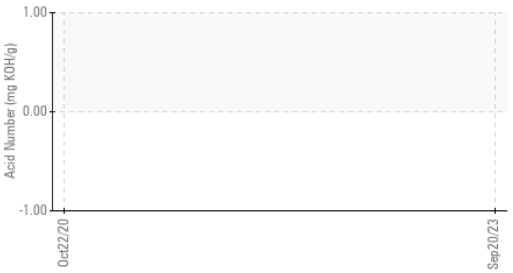
Water (KF)



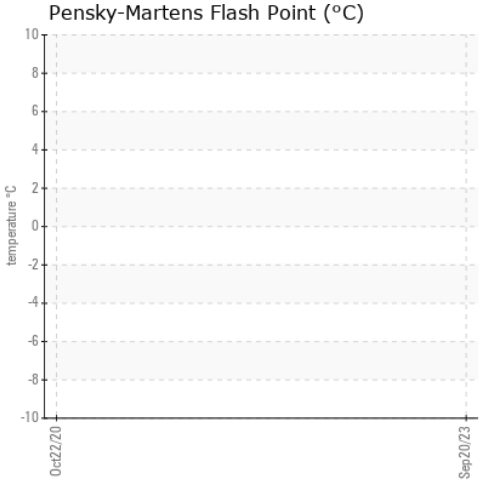
Viscosity @ 40°C



Acid Number



Pensky-Martens Flash Point (°C)



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KL0012853 **Received** : 29 Sep 2023
Lab Number : 05964935 **Diagnosed** : 03 Oct 2023
Unique Number : 10671486 **Diagnostician** : Jonathan Hester
Test Package : MOB 2 (Additional Tests: KF, PrtCount)

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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