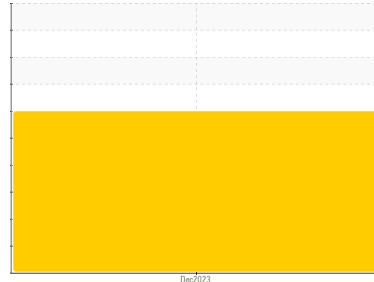




PROBLEM SUMMARY

Sample Rating Trend



WATER



Machine Id
DIAMOND DA40NG N445L - FILTER (S/N E4-A-06402)
 Component
Jet Fuel
 Fluid
JET FUEL Type A (--- GAL)

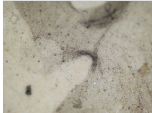
COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

In review of all data available, this debris appears to be most likely an organic material. With it floating on top of water and sinking to the bottom of the fuel, this suggests that the density is somewhere in-between them - suggesting an organic such as bacteria, fungus, or mold. This is also consistent with a scum layer that typically forms on water-contaminated fuels at the interface barrier between the two fluids.

PROBLEMATIC TEST RESULTS

Sample Status	SEVERE		---	---
PrtFilter			no image	no image

Customer Id: LIFIND
Sample No.: WC06054482
Lab Number: 06054482
Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



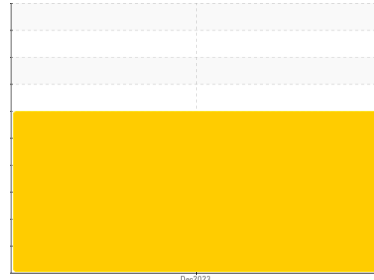
FUEL REPORT

Sample Rating Trend

WATER



Machine Id
DIAMOND DA40NG N445L - FILTER (S/N E4-A-06402)
 Component
Jet Fuel
 Fluid
JET FUEL Type A (--- GAL)



DIAGNOSIS

Recommendation

In review of all data available, this debris appears to be most likely an organic material. With it floating on top of water and sinking to the bottom of the fuel, this suggests that the density is somewhere in-between them - suggesting an organic such as bacteria, fungus, or mold. This is also consistent with a scum layer that typically forms on water-contaminated fuels at the interface barrier between the two fluids.

Contamination

Excessive free water present. Moderate concentration of visible dirt/debris present in the oil.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC06054482	---	---
Sample Date	Client Info	22 Dec 2023	---	---
Machine Age	hrs Client Info	585	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		SEVERE	---	---

PHYSICAL PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445 <8.0	1.15	---	---

SULFUR CONTENT

method	limit/base	current	history1	history2
Sulfur	ppm ASTM D5185m <3000	551	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m <1.0	0	---	---
Sodium	ppm ASTM D5185m <0.1	<1	---	---
Potassium	ppm ASTM D5185m <0.1	0	---	---
Water	% ASTM D6304 <0.05	0.007	---	---
ppm Water	ppm ASTM D6304 <500	74	---	---

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	<1	---	---
Zinc	ppm ASTM D5185m <0.1	0	---	---

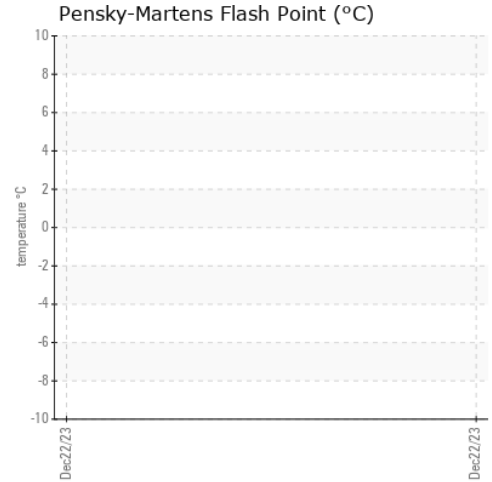
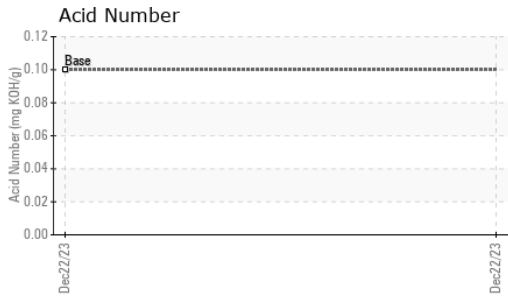
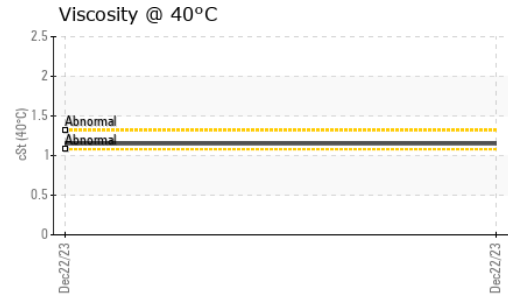
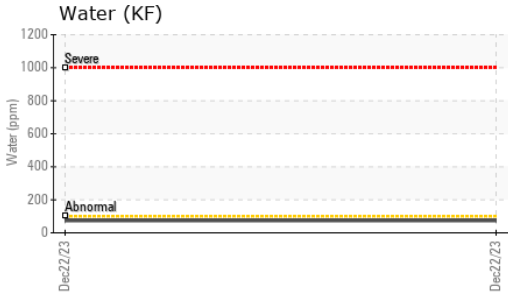
SAMPLE IMAGES

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



FUEL REPORT

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC06054482 **Recieved** : 08 Jan 2024
Lab Number : 06054482 **Diagnosed** : 10 Jan 2024
Unique Number : 10820431 **Diagnostician** : Doug Bogart
Test Package : PLANT (Additional Tests: Bottom, FilterPatch)

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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