



PROBLEM SUMMARY

Sample Rating Trend

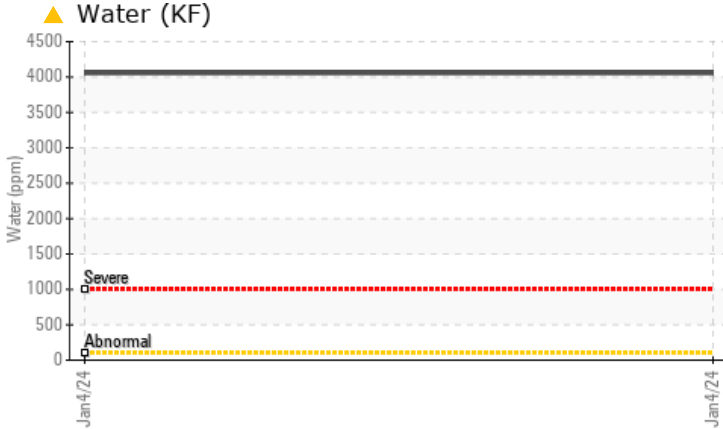
WATER



Machine Id
N663L - FILTER
Component
Jet Fuel
Fluid
{not provided} (--- GAL)



COMPONENT CONDITION SUMMARY



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	---	---
Water	%	ASTM D6304	<0.05	▲ 0.405	---	---
ppm Water	ppm	ASTM D6304	<500	▲ 4056	---	---
PrtFilter					no image	no image

Customer Id: LIFIND
Sample No.: WC06054480
Lab Number: 06054480
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
N663L - FILTER
Component
Jet Fuel
Fluid
{not provided} (--- 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.

Contaminants

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

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC06054480	---	---
Sample Date	Client Info	04 Jan 2024	---	---
Machine Age	hrs	Client Info	0	---
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	1.83	---

SULFUR CONTENT

method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	691	---

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	▲ 0.405
ppm Water	ppm	ASTM D6304	<500	▲ 4056

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



FERROGRAPHY REPORT

Machine Id
N663L - FILTER
Component
Jet Fuel
Fluid
{not provided} (--- GAL)

WEAR