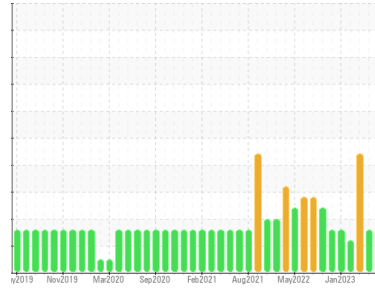




PROBLEM SUMMARY

Sample Rating Trend



WATER



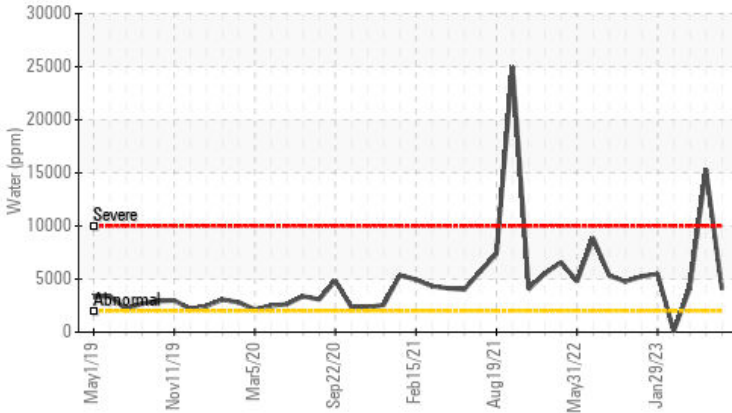
Machine Id
CF203 (S/N 00881-003-1-01-01)

Component
Gearbox

Fluid
MOBIL GLYGOYLE 100 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Water (KF)



RECOMMENDATION

We advise that you check for the source of water entry. Resample at the next service interval to monitor. NOTE: one of two samples received with same ID.

PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	ABNORMAL	ABNORMAL
Water	%	ASTM D6304	>0.2	▲ 0.404	▲ 1.533	▲ 0.411
ppm Water	ppm	ASTM D6304	>2000	▲ 4040	▲ 15327	▲ 4110

Customer Id: FLIFAI
Sample No.: USP246092
Lab Number: 06010871
Test Package: IND 2



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

Action	Status	Date	Done By	Description
Alert	---	---	?	NOTE: one of two samples received with same ID and sampling date.
Check Water Access	---	---	?	We advise that you check for the source of water entry.

HISTORICAL DIAGNOSIS

31 Aug 2023 Diag: Doug Bogart

WATER



We advise that you check for the source of water entry. Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the oil. Confirmed The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

[view report](#)



22 Jun 2023 Diag: Doug Bogart

WATER



We advise that you check for the source of water entry. We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. There is a moderate concentration of water present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

[view report](#)



08 Feb 2023 Diag: Doug Bogart

ISO



Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

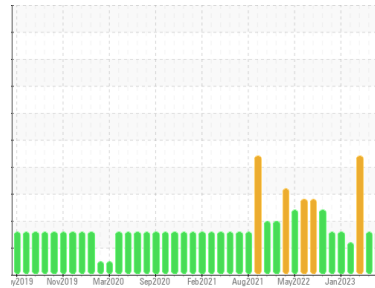
[view report](#)





OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
CF6203 (S/N 00881-003-1-01-01)

Component
Gearbox
Fluid
MOBIL GLYGOYLE 100 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. Resample at the next service interval to monitor. NOTE: one of two samples received with same ID.

Wear

All component wear rates are normal.

Contamination

There is a moderate concentration of water present in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		USP246092	USP234746	USP246094
Sample Date	Client Info		17 Nov 2023	31 Aug 2023	22 Jun 2023
Machine Age	hrs	Client Info	0	0	0
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			ATTENTION	ABNORMAL	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>200	4	7	6
Chromium	ppm	ASTM D5185m	>15	0	0	0
Nickel	ppm	ASTM D5185m	>15	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	0	0	0
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	0	0	0
Tin	ppm	ASTM D5185m	>25	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	2	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	<1	0
Calcium	ppm	ASTM D5185m		<1	2	0
Phosphorus	ppm	ASTM D5185m		481	580	575
Zinc	ppm	ASTM D5185m		0	<1	0
Sulfur	ppm	ASTM D5185m		673	769	795

CONTAMINANTS

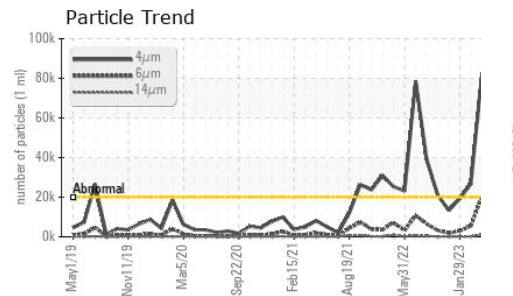
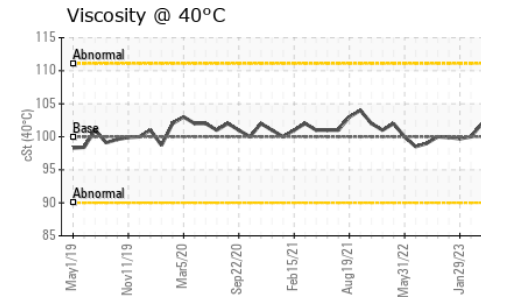
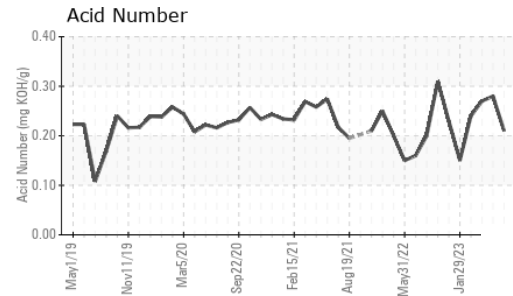
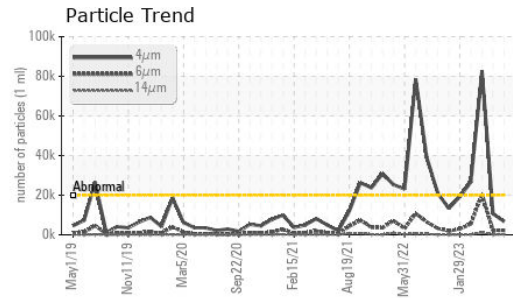
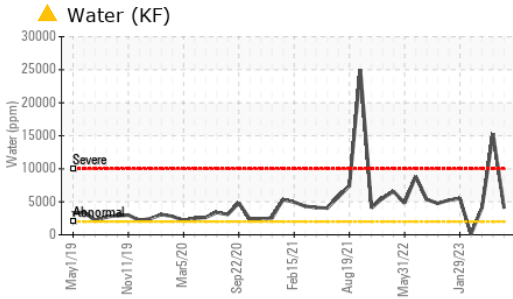
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>50	<1	3	1
Sodium	ppm	ASTM D5185m		<1	2	0
Potassium	ppm	ASTM D5185m	>20	3	2	3
Water	%	ASTM D6304	>0.2	▲ 0.404	▲ 1.533	▲ 0.411
ppm Water	ppm	ASTM D6304	>2000	▲ 4040	▲ 15327	▲ 4110

FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>20000	6735	10614	▲ 82674
Particles >6µm	ASTM D7647	>5000	2173	2199	▲ 20459
Particles >14µm	ASTM D7647	>640	246	127	▲ 1166
Particles >21µm	ASTM D7647	>160	70	35	▲ 353
Particles >38µm	ASTM D7647	>40	4	2	▲ 78
Particles >71µm	ASTM D7647	>10	1	1	▲ 20
Oil Cleanliness	ISO 4406 (c)	>21/19/16	20/18/15	21/18/14	▲ 24/22/17

FLUID DEGRADATION

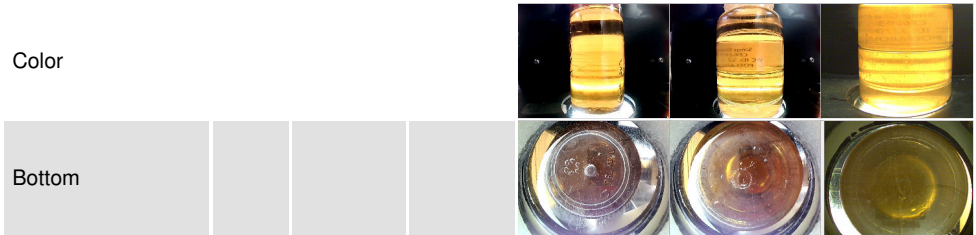
	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045		0.21	0.28	0.27



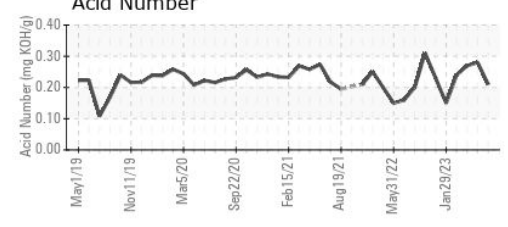
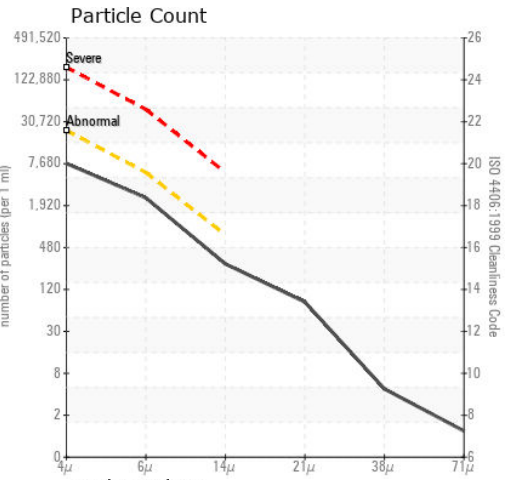
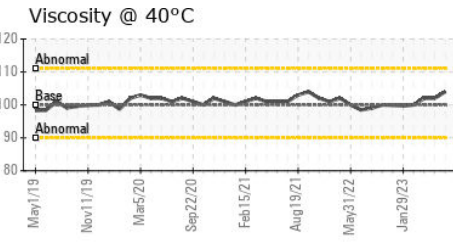
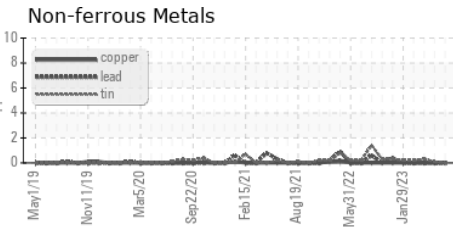
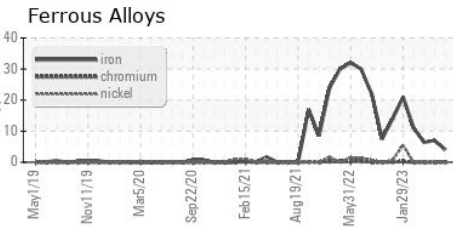
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	100.0	104	102

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USP246092 **Received** : 17 Nov 2023
Lab Number : 06010871 **Diagnosed** : 20 Nov 2023
Unique Number : 10750015 **Diagnostician** : Doug Bogart
Test Package : IND 2

POET BIO PROCESSING
 1277 102ND ST
 FAIRBANK, IA
 US 50662
 Contact: JASON GOEDKEN
 Jason.Goedken@POET.COM
 T: (319)284-2621
 F:

Certificate L2367
 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)