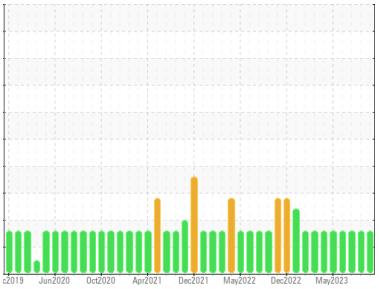
PROBLEM SUMMARY

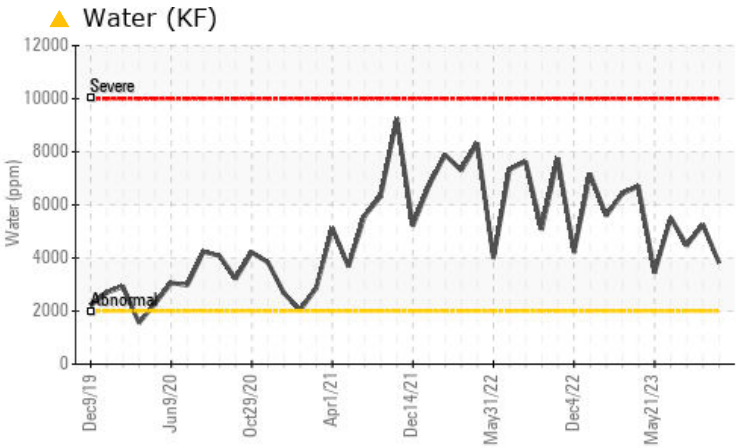
Sample Rating Trend



WATER

Machine Id
CF6302 (S/N 00881-003-1-01-01)
Component
Gearbox
Fluid
MOBIL GLYGOYLE 100 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	ATTENTION	ATTENTION
Water	%	ASTM D6304	>0.2	▲ **0.382**	▲ 0.525	▲ 0.447
ppm Water	ppm	ASTM D6304	>2000	▲ **3820**	▲ 5250	▲ 4470

Customer Id: FLIFAI
Sample No.: USP0003675
Lab Number: 06010876
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

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

26 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. Please note that this is a corrected copy for laboratory data updates.All component wear rates are normal. There is a moderate concentration of water present in the oil. 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

06 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 moderate concentration of water present in the oil. 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

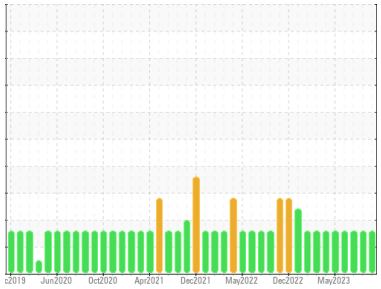
WATER

We advise that you check for the source of water entry. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate concentration of water present in the oil. 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

OIL ANALYSIS REPORT

Sample Rating Trend



WATER

Machine Id
CF6302 (S/N 00881-003-1-01-01)
Component
Gearbox
Fluid
MOBIL GLYGOYLE 100 (--- GAL)

DIAGNOSIS

Recommendation
Resample at the next service interval to monitor.

Wear
All component wear rates are normal.

Contamination
There is a light 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		**USP0003675**	USP246106	USP246104
Sample Date		Client Info		**08 Nov 2023**	26 Aug 2023	06 Aug 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**	ATTENTION	ATTENTION

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	**3**	1	3
Chromium	ppm	ASTM D5185m	>15	**0**	<1	0
Nickel	ppm	ASTM D5185m	>15	**0**	<1	1
Titanium	ppm	ASTM D5185m		**0**	0	0
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>25	**0**	0	0
Lead	ppm	ASTM D5185m	>100	**0**	0	<1
Copper	ppm	ASTM D5185m	>200	**0**	<1	0
Tin	ppm	ASTM D5185m	>25	**0**	<1	0
Vanadium	ppm	ASTM D5185m		**0**	<1	0
Cadmium	ppm	ASTM D5185m		**0**	0	0

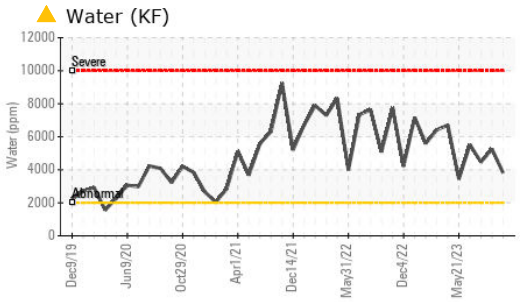
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**0**	0	0
Barium	ppm	ASTM D5185m		**0**	0	0
Molybdenum	ppm	ASTM D5185m		**0**	0	0
Manganese	ppm	ASTM D5185m		**0**	0	<1
Magnesium	ppm	ASTM D5185m		**0**	0	4
Calcium	ppm	ASTM D5185m		**0**	0	0
Phosphorus	ppm	ASTM D5185m		**458**	505	284
Zinc	ppm	ASTM D5185m		**0**	0	0
Sulfur	ppm	ASTM D5185m		**643**	740	458

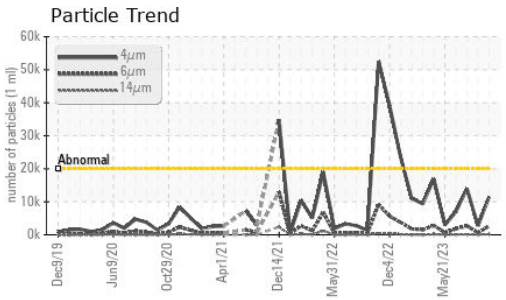
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	**<1**	1	0
Sodium	ppm	ASTM D5185m		**0**	7	0
Potassium	ppm	ASTM D5185m	>20	**3**	<1	5
Water	%	ASTM D6304	>0.2	▲ **0.382**	▲ 0.525	▲ 0.447
ppm Water	ppm	ASTM D6304	>2000	▲ **3820**	▲ 5250	▲ 4470

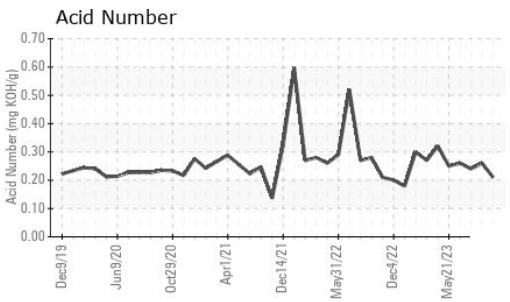
FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>20000	**11456**	2775	13977
Particles >6µm	ASTM D7647	>5000	**2634**	588	2735
Particles >14µm	ASTM D7647	>640	**178**	82	149
Particles >21µm	ASTM D7647	>160	**50**	35	43
Particles >38µm	ASTM D7647	>40	**4**	2	3
Particles >71µm	ASTM D7647	>10	**1**	0	0
Oil Cleanliness	ISO 4406 (c)	>21/19/16	**21/19/15**	19/16/14	21/19/14

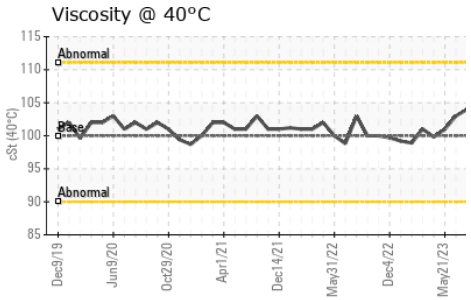
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**0.21**	0.26	0.24

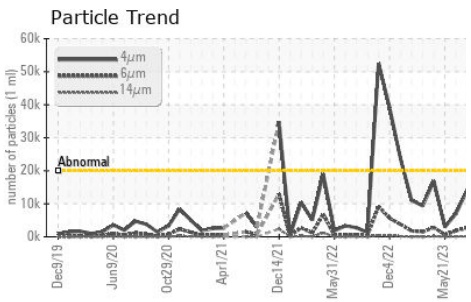
OIL ANALYSIS REPORT







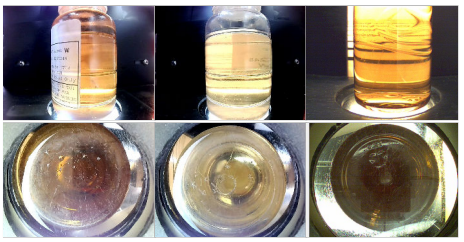




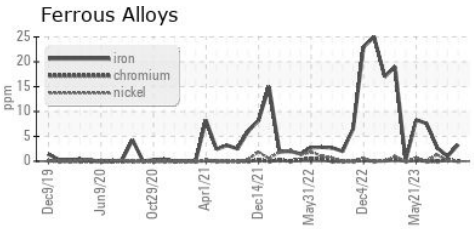
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	NONE
Sand/Dirt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

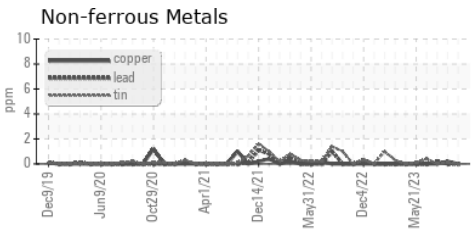
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	100.0	**102**	102	104

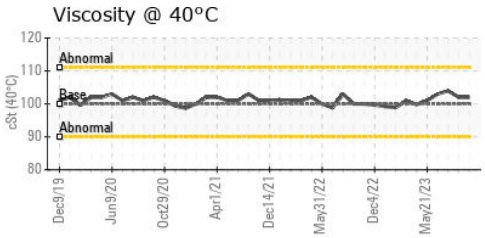
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

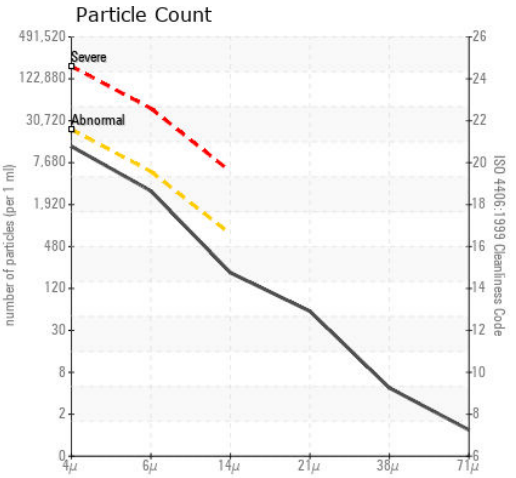


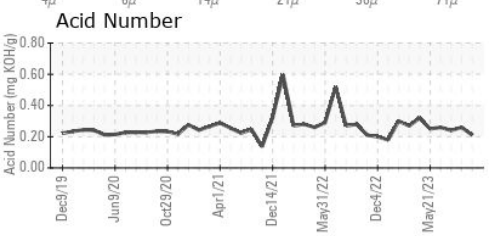
GRAPHS











Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USP0003675 **Received** : 17 Nov 2023
Lab Number : 06010876 **Diagnosed** : 20 Nov 2023
Unique Number : 10750020 **Diagnostician** : Doug Bogart
Test Package : IND 2

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)

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