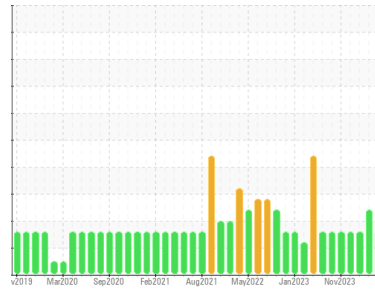




OIL ANALYSIS REPORT

Sample Rating Trend



WATER



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

Component
Gearbox

Fluid
MOBIL GLYGOYLE 100 (--- GAL)

DIAGNOSIS

Recommendation

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			USP0007866	USP0008349	USP0007164
Sample Date	Client Info			09 Apr 2024	22 Mar 2024	06 Feb 2024
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	4	6	<1
Chromium	ppm	ASTM D5185m	>15	<1	1	0
Nickel	ppm	ASTM D5185m	>15	1	1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	0	0	0
Lead	ppm	ASTM D5185m	>100	<1	<1	0
Copper	ppm	ASTM D5185m	>200	<1	<1	<1
Tin	ppm	ASTM D5185m	>25	1	1	<1
Vanadium	ppm	ASTM D5185m		<1	1	0
Cadmium	ppm	ASTM D5185m		<1	<1	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		<1	<1	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		2	0	0
Calcium	ppm	ASTM D5185m		7	0	0
Phosphorus	ppm	ASTM D5185m		548	437	553
Zinc	ppm	ASTM D5185m		<1	2	0
Sulfur	ppm	ASTM D5185m		527	530	465

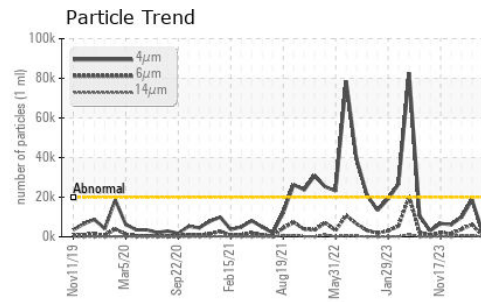
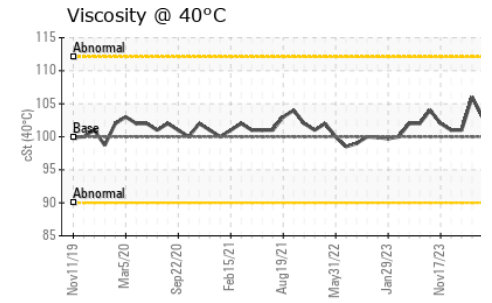
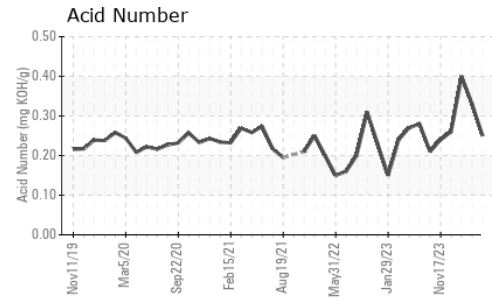
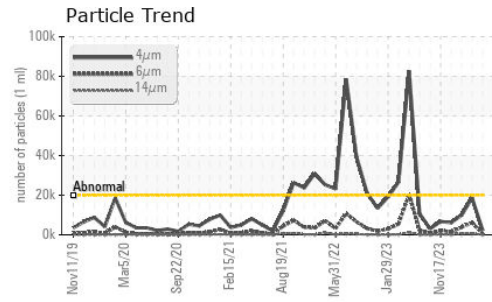
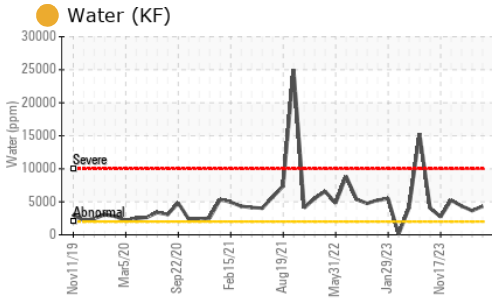
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	10	3	0
Sodium	ppm	ASTM D5185m		12	17	0
Potassium	ppm	ASTM D5185m	>20	3	5	0
Water	%	ASTM D6304	>0.2	0.433	0.365	0.436
ppm Water	ppm	ASTM D6304	>2000	4330	3650	4360

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	2297	18592	9897
Particles >6µm		ASTM D7647	>5000	598	6169	3843
Particles >14µm		ASTM D7647	>640	76	605	638
Particles >21µm		ASTM D7647	>160	26	165	213
Particles >38µm		ASTM D7647	>40	1	5	14
Particles >71µm		ASTM D7647	>10	0	1	1
Oil Cleanliness		ISO 4406 (c)	>21/19/16	18/16/13	21/20/16	20/19/16

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.25	0.33	0.40



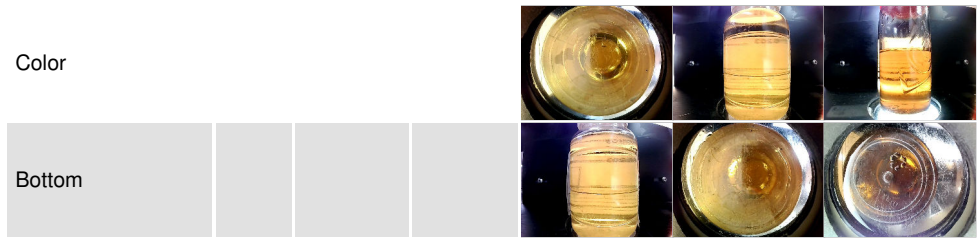
OIL ANALYSIS REPORT



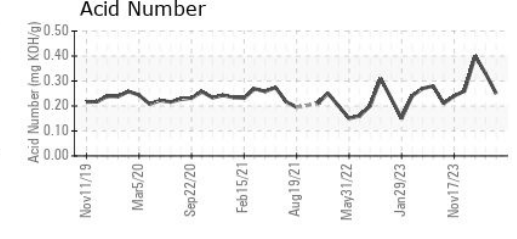
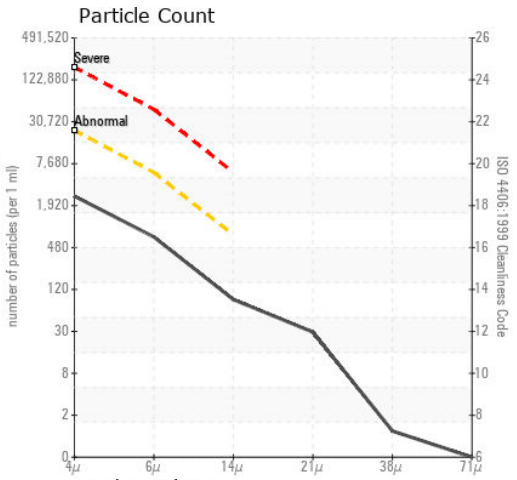
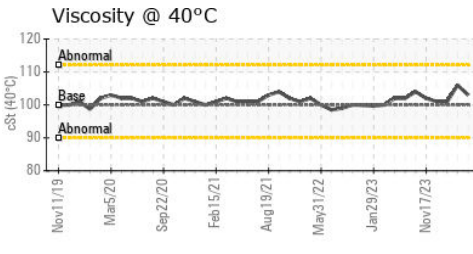
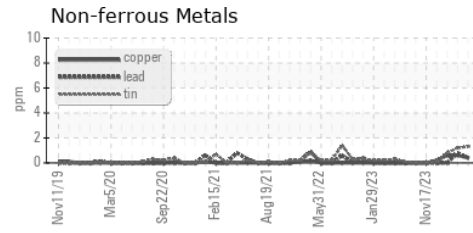
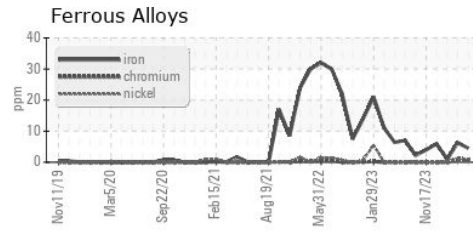
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	103	106

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : USP0007866
 Lab Number : 06144306
 Unique Number : 10969114
 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:

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)