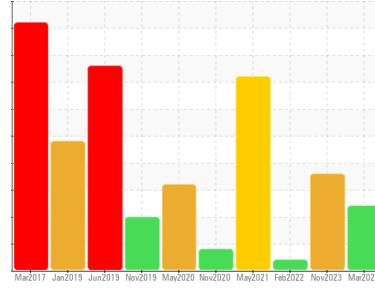


Machine Id
WASHER SPRAY RACK ELEPHANT EAR
Component
Gearbox
Fluid
EP 320 (--- GAL)



DIAGNOSIS

▲ Recommendation
Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. We advise that you check for the source of water entry. Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear
All component wear rates are normal.

▲ Contamination
Lithium (Li) level abnormal at 56ppm., indicates possible grease contamination. Free water present.

▲ Fluid Condition
Viscosity of sample indicates oil is within ISO 2200 range, advise investigate. The AN level is acceptable for this fluid. The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PC0080616	PC0081250	PC0016411
Sample Date	Client Info	20 Mar 2024	21 Nov 2023	22 Feb 2022
Machine Age	hrs	0	0	0
Oil Age	hrs	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	73	85	73
Iron	ppm ASTM D5185(m) >200	48	44	40
Chromium	ppm ASTM D5185(m) >15	0	0	0
Nickel	ppm ASTM D5185(m) >15	0	<1	0
Titanium	ppm ASTM D5185(m)	<1	0	0
Silver	ppm ASTM D5185(m)	0	<1	<1
Aluminum	ppm ASTM D5185(m) >25	<1	<1	0
Lead	ppm ASTM D5185(m) >100	0	0	0
Copper	ppm ASTM D5185(m) >200	10	<1	20
Tin	ppm ASTM D5185(m) >25	0	0	0
Antimony	ppm ASTM D5185(m) >5	0	0	0
Vanadium	ppm ASTM D5185(m)	0	0	0
Beryllium	ppm ASTM D5185(m)	0	0	0
Cadmium	ppm ASTM D5185(m)	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)	7	9	3
Barium	ppm ASTM D5185(m)	<1	<1	0
Molybdenum	ppm ASTM D5185(m)	0	0	0
Manganese	ppm ASTM D5185(m)	0	0	0
Magnesium	ppm ASTM D5185(m)	<1	<1	0
Calcium	ppm ASTM D5185(m)	16	16	20
Phosphorus	ppm ASTM D5185(m)	227	235	260
Zinc	ppm ASTM D5185(m)	15	13	1
Sulfur	ppm ASTM D5185(m)	11987	12034	8810
Lithium	ppm ASTM D5185(m)	▲ 56	▲ 58	▲ 90

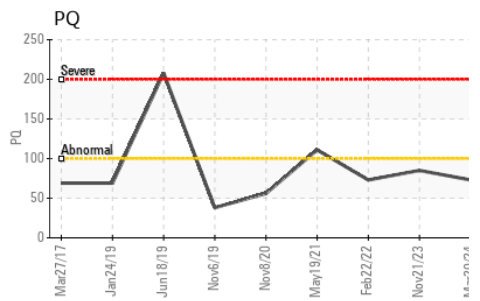
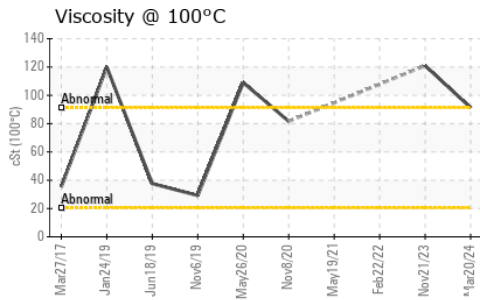
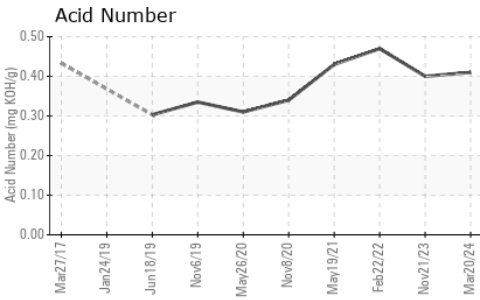
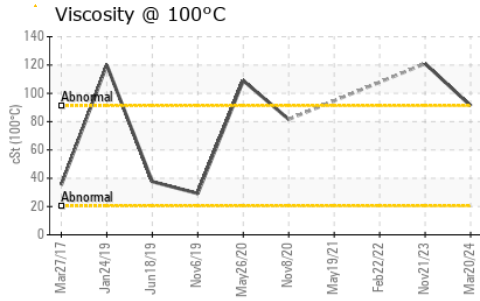
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >50	9	10	<1
Sodium	ppm ASTM D5185(m)	5	5	<1
Potassium	ppm ASTM D5185(m) >20	3	2	<1

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974*	0.41	0.40	0.47

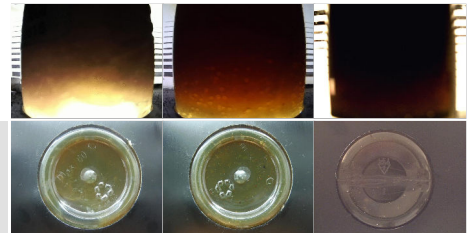
OIL ANALYSIS REPORT



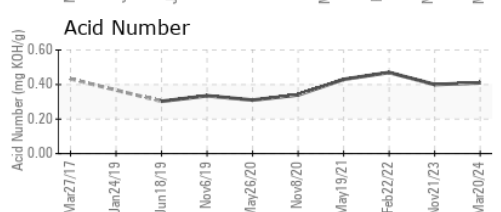
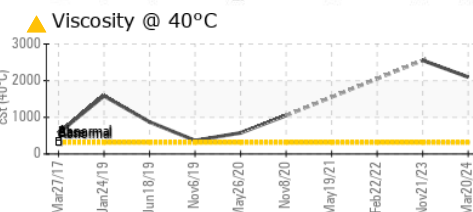
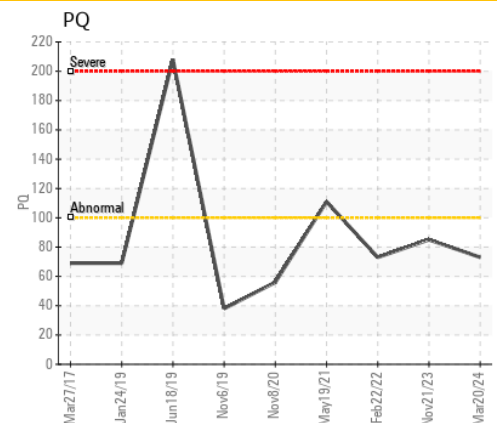
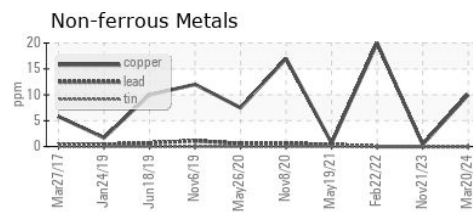
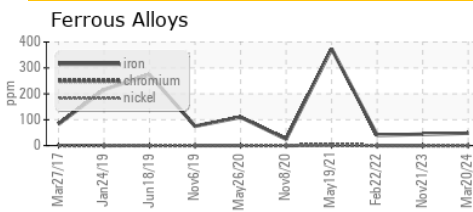
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	VLITE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	VLITE	NONE
Appearance	scalar	Visual*	NORML	NORML	▲ WGOIL
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	▲ 1%	▲ .5%
Free Water	scalar	Visual*		▲ >10%	▲ 1%

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	320	▲ 2098	▲ 2554
Visc @ 100°C	cSt	ASTM D7279(m)		91.2	▲ 121
Viscosity Index (VI)	Scale	ASTM D2270*		109	129

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0080616 **Received** : 01 Apr 2024
Lab Number : 02625801 **Tested** : 02 Apr 2024
Unique Number : 5750920 **Diagnosed** : 02 Apr 2024 - Kevin Marson
Test Package : IND 2 (Additional Tests: KV100, TAN Man, VI)

Labatt - St. John's Brewery
 60 Leslie Street
 St John's, NL
 CA A1E 2V8
 Contact: Rod Penney
 rod.penney@labatt.com
 T: (709)570-7152
 F: (709)570-7160

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.