

Machine Id
LABELLER STATION

Component
Gearbox

Fluid
GEAR OIL ISO 220 (--- 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. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL ISO 220. Please confirm.

NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

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			PC0081254	PC0052635	---
Sample Date	Client Info			21 Nov 2023	09 Apr 2023	---
Machine Age	hrs	Client Info		0	0	---
Oil Age	hrs	Client Info		0	0	---
Oil Changed	Client Info			N/A	N/A	---
Sample Status				NORMAL	ABNORMAL	---

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

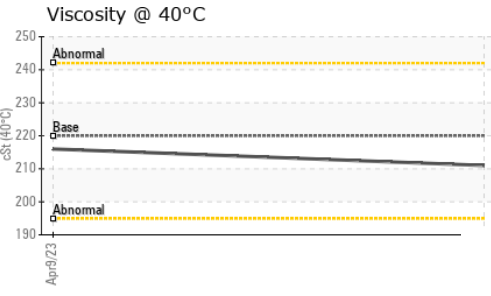
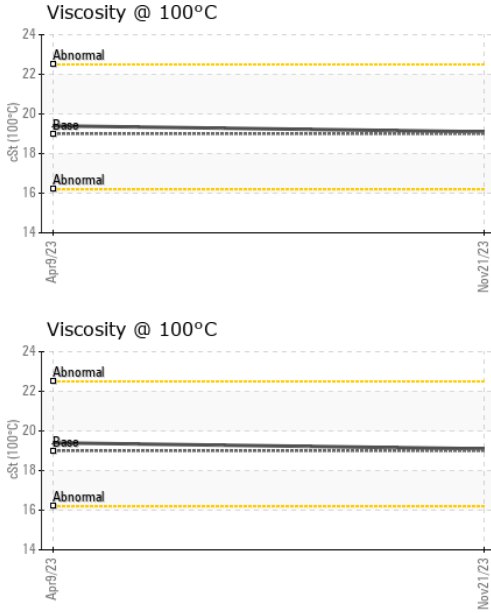
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		2	5	---
Iron	ppm	ASTM D5185(m)	>200	13	17	---
Chromium	ppm	ASTM D5185(m)	>15	1	1	---
Nickel	ppm	ASTM D5185(m)	>15	1	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		<1	0	---
Aluminum	ppm	ASTM D5185(m)	>25	8	6	---
Lead	ppm	ASTM D5185(m)	>100	<1	<1	---
Copper	ppm	ASTM D5185(m)	>200	1	<1	---
Tin	ppm	ASTM D5185(m)	>25	0	0	---
Antimony	ppm	ASTM D5185(m)	>5	0	<1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Beryllium	ppm	ASTM D5185(m)		0	0	---
Cadmium	ppm	ASTM D5185(m)		0	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	50	53	58	---
Barium	ppm	ASTM D5185(m)	15	<1	0	---
Molybdenum	ppm	ASTM D5185(m)	15	0	0	---
Manganese	ppm	ASTM D5185(m)		0	0	---
Magnesium	ppm	ASTM D5185(m)	50	0	<1	---
Calcium	ppm	ASTM D5185(m)	50	33	27	---
Phosphorus	ppm	ASTM D5185(m)	350	251	279	---
Zinc	ppm	ASTM D5185(m)	100	12	7	---
Sulfur	ppm	ASTM D5185(m)	12500	5448	5839	---
Lithium	ppm	ASTM D5185(m)		5	5	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	6	3	---
Sodium	ppm	ASTM D5185(m)		<1	1	---
Potassium	ppm	ASTM D5185(m)	>20	0	<1	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.85	0.45	0.46	---

OIL ANALYSIS REPORT



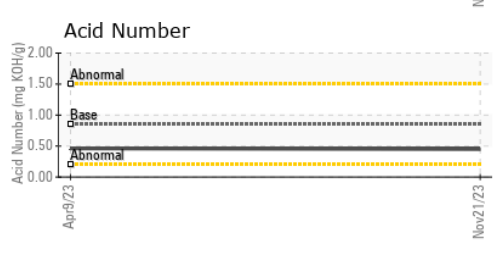
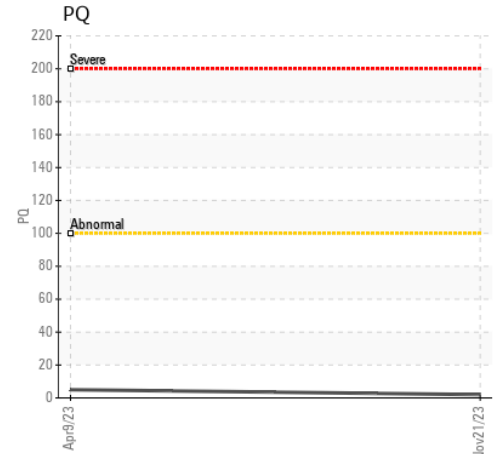
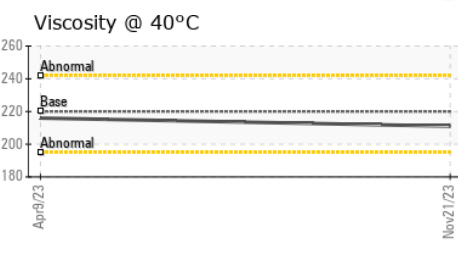
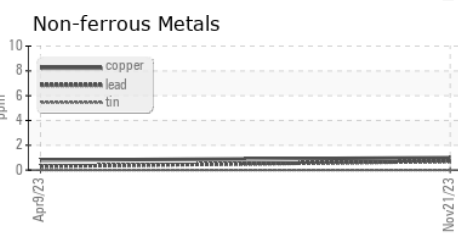
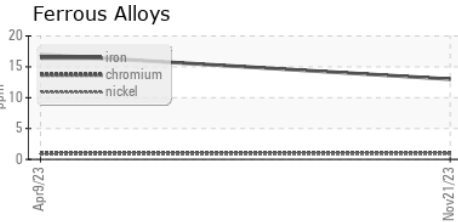
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	VLITE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	VLITE	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.2	NEG	.2%	---
Free Water	scalar	Visual*		NEG	▲ 1%	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D279(m)	220	211	216	---
Visc @ 100°C	cSt	ASTM D279(m)	19.0	19.1	19.4	---
Viscosity Index (VI)	Scale	ASTM D2270*	96	101	101	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0081254 **Received** : 28 Nov 2023
Lab Number : 02599514 **Diagnosed** : 29 Nov 2023
Unique Number : 5684594 **Diagnostician** : Wes Davis
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: Matthew Gillett
 matthew.gillett@labatt.com
 T:
 F: (709)579-2018

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.