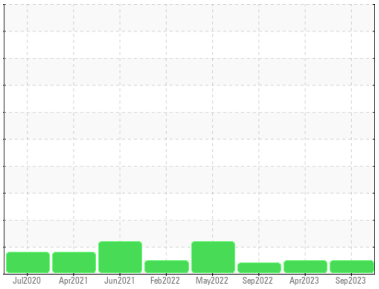
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Machine Id
2570
Component
4 Propel Gearbox
Fluid
BELRAY 100 EP GEAR OIL 680 (--- GAL)

DIAGNOSIS

Recommendation
Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the component make and model with your next sample. Please note that the oil was too thick to perform some of the normal laboratory tests.

Wear
All component wear rates are normal.

Contamination
There is no indication of any contamination in the oil.

Fluid Condition
The condition of the oil is acceptable for the time in service (unconfirmed).

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**BR0000765**	BR0000646	BR0000684
Sample Date		Client Info		**12 Sep 2023**	25 Apr 2023	22 Sep 2022
Machine Age	hrs	Client Info		**29393**	0	0
Oil Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**NORMAL**	NORMAL	ABNORMAL

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		**940**	491	---
Iron	ppm	ASTM D5185(m)	>200	**280**	210	180
Chromium	ppm	ASTM D5185(m)	>10	**0**	0	0
Nickel	ppm	ASTM D5185(m)	>10	**0**	<1	0
Titanium	ppm	ASTM D5185(m)		**0**	0	0
Silver	ppm	ASTM D5185(m)		**<1**	0	0
Aluminum	ppm	ASTM D5185(m)		**1080**	930	840
Lead	ppm	ASTM D5185(m)		**<1**	<1	1
Copper	ppm	ASTM D5185(m)		**1**	<1	<1
Tin	ppm	ASTM D5185(m)		**0**	0	0
Antimony	ppm	ASTM D5185(m)	>5	**170**	170	190
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)		**<1**	<1	1
Barium	ppm	ASTM D5185(m)		**<1**	0	0
Molybdenum	ppm	ASTM D5185(m)		**1720**	1460	1170
Manganese	ppm	ASTM D5185(m)		**0**	<1	<1
Magnesium	ppm	ASTM D5185(m)		**0**	0	<1
Calcium	ppm	ASTM D5185(m)		**160**	130	130
Phosphorus	ppm	ASTM D5185(m)		**630**	620	710
Zinc	ppm	ASTM D5185(m)		**2**	2	2
Sulfur	ppm	ASTM D5185(m)		**11840**	11360	11800
Lithium	ppm	ASTM D5185(m)		**<1**	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		**130**	110	90
Sodium	ppm	ASTM D5185(m)		**100**	6	7
Potassium	ppm	ASTM D5185(m)	>20	**0**	0	<1

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

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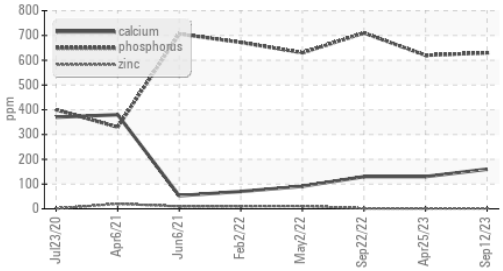
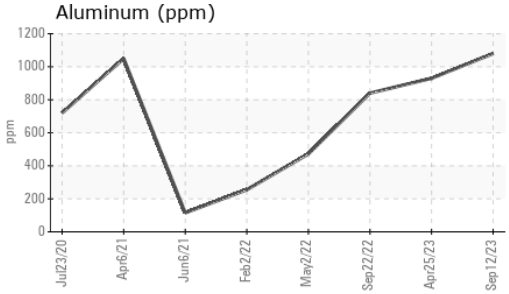
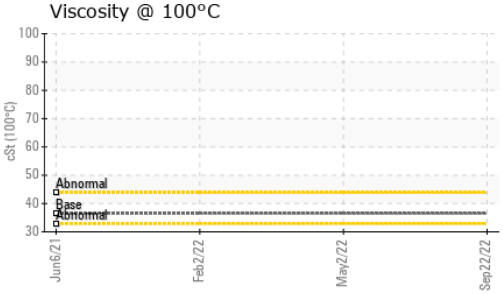
Additives



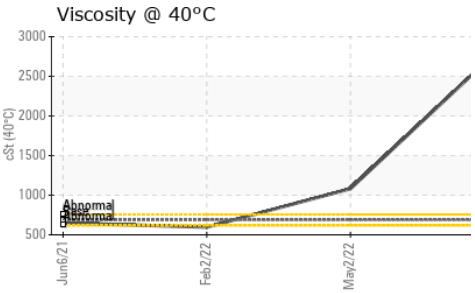
Aluminum (ppm)



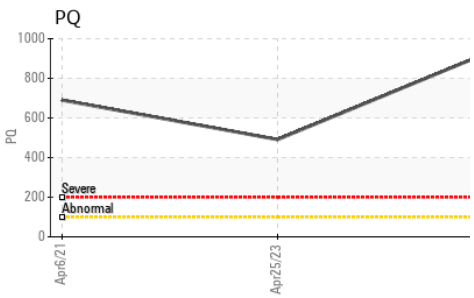
Viscosity @ 100°C



Viscosity @ 40°C



PQ

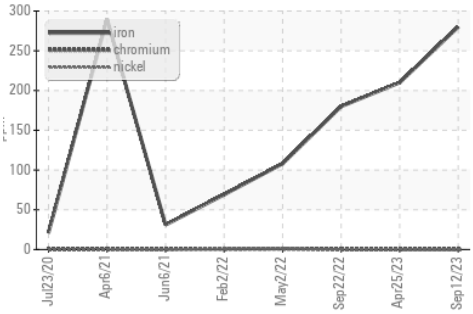


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	688	---	---	▲ 2781
Visc @ 100°C	cSt	ASTM D7279(m)	36.5	---	---	---

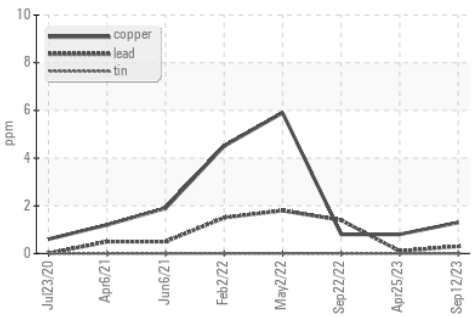
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS

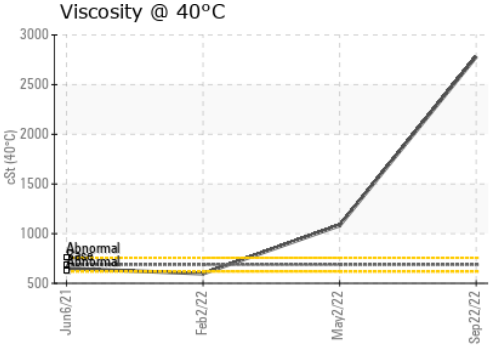
Ferrous Alloys



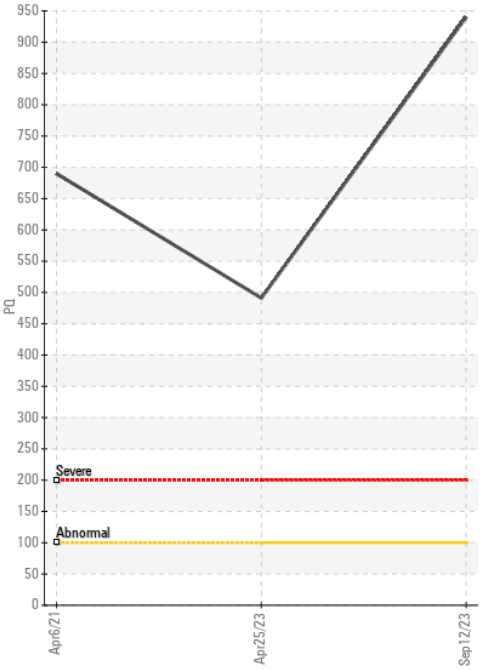
Non-ferrous Metals



Viscosity @ 40°C



PQ



CALA Testing Accreditation No. 1005078
ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **CAN JER INDUSTRIAL LUBRICANT LTD**
Sample No. : BR0000765 **Received** : 28 Sep 2023 419 MISSISSIPPIAN DRIVE
Lab Number : 02585937 **Diagnosed** : 02 Oct 2023 ESTEVAN, SK
Unique Number : 5655003 **Diagnostician** : Kevin Marson CA S4A 2A4
Test Package : IND 1 (Additional Tests: KV100, PQ) Contact: LANDON LILLEJORD
To discuss this sample report, contact Customer Service at 1-800-268-2131. llillrjord@canjer.com
Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. T:
Validity of results and interpretation are based on the sample and information as supplied. F: