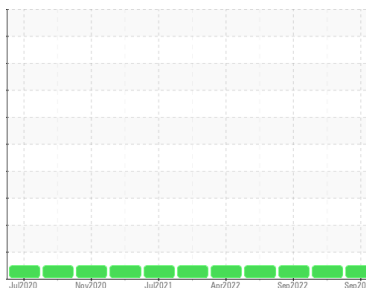




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id

9020

Component

3 Swing Drive

Fluid

BELRAY 100 EP GEAR OIL 680 (377 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

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.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	BR0000723	BR0000698	BR0000596
Sample Date	Client Info	21 Sep 2023	19 Jan 2023	15 Sep 2022
Machine Age	hrs Client Info	0	128377	125861
Oil Age	hrs Client Info	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		NORMAL	NORMAL	NORMAL

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >400	6	4	4
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) >25	<1	1	<1
Lead	ppm ASTM D5185(m) >50	<1	<1	<1
Copper	ppm ASTM D5185(m) >200	12	11	11
Tin	ppm ASTM D5185(m) >10	0	0	0
Antimony	ppm ASTM D5185(m) >5	594	593	576
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)	108	105	104
Manganese	ppm ASTM D5185(m)	0	0	0
Magnesium	ppm ASTM D5185(m)	<1	0	<1
Calcium	ppm ASTM D5185(m)	10	12	13
Phosphorus	ppm ASTM D5185(m)	765	802	801
Zinc	ppm ASTM D5185(m)	34	28	28
Sulfur	ppm ASTM D5185(m)	6986	7182	7080
Lithium	ppm ASTM D5185(m)	1	1	<1

CONTAMINANTS

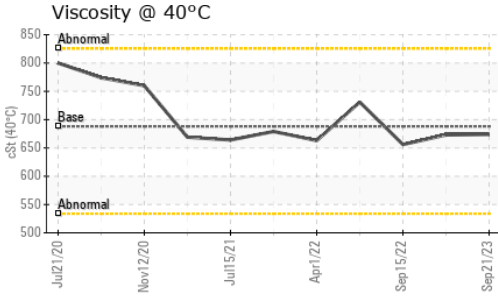
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >50	3	3	2
Sodium	ppm ASTM D5185(m)	1	1	1
Potassium	ppm ASTM D5185(m) >20	0	<1	<1

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

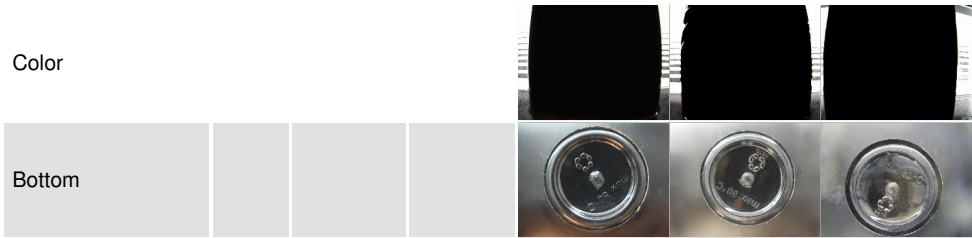


OIL ANALYSIS REPORT

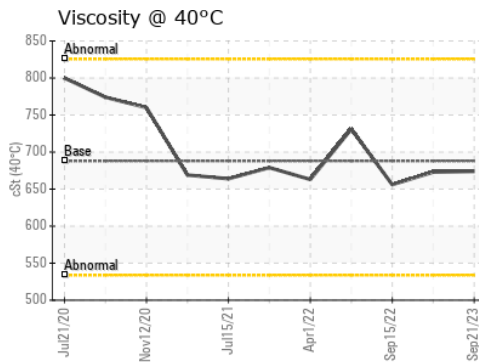
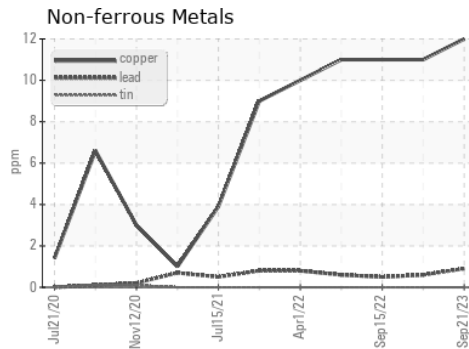
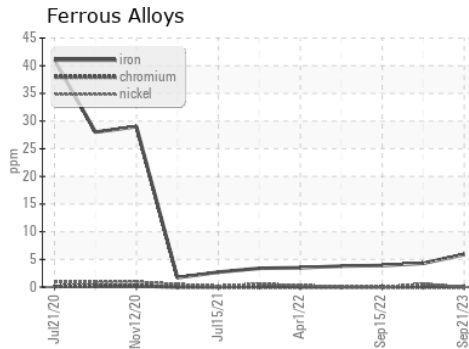


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	688	674	673	656

SAMPLE IMAGES		method	limit/base	current	history1	history2
---------------	--	--------	------------	---------	----------	----------



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 CAN JER INDUSTRIAL LUBRICANT LTD
Sample No. : BR0000723 **Received** : 06 Oct 2023 419 MISSISSIPPIAN DRIVE
Lab Number : 02587852 **Diagnosed** : 10 Oct 2023 ESTEVAN, SK
Unique Number : 5656918 **Diagnostician** : Kevin Marson CA S4A 2A4
Test Package : IND 1 **Contact:** LANDON LILLEJORD
lilljrd@canjer.com

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.