



# OIL ANALYSIS REPORT

WEAR	<b>MARGINAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**2570**  
Component  
**1 Hoist**  
Fluid  
**BELRAY 100 EP GEAR OIL 680 (82 GAL)**

## RECOMMENDATION

We recommend an early resample to monitor this condition. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using IND 2 test kits, this testkit includes Particle Count to determine the ISO cleanliness of the fluid. this testkit includes AN to determine the suitability of the oil for continued use.

## WEAR

Light concentration of visible metal present. All other component wear rates are normal.

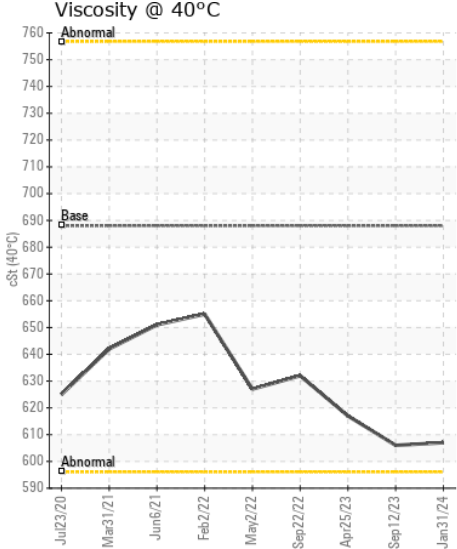
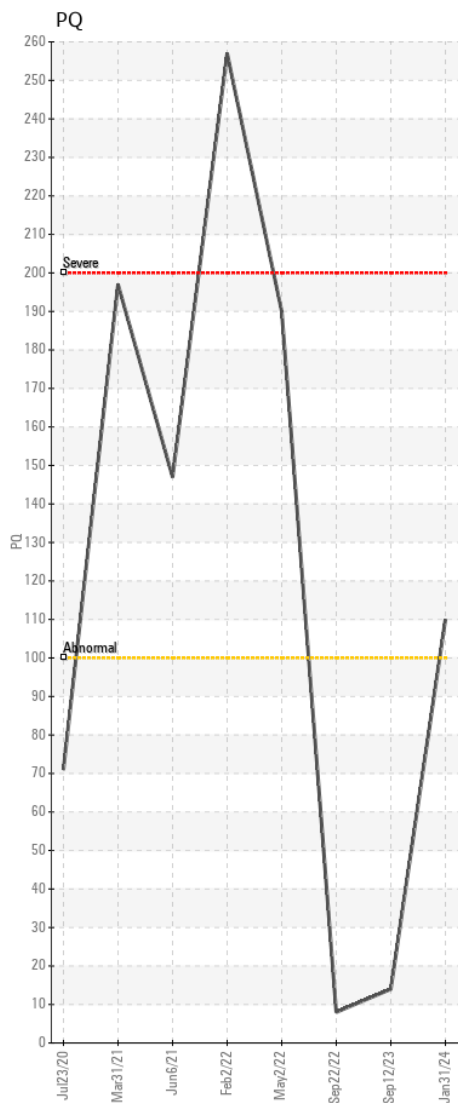
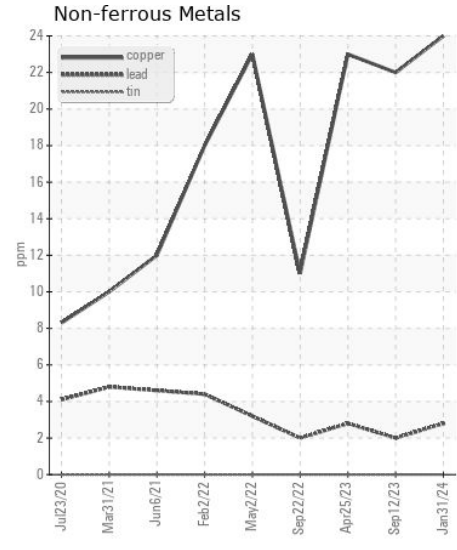
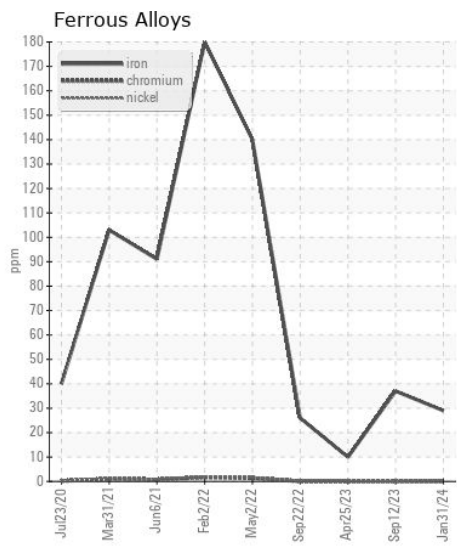
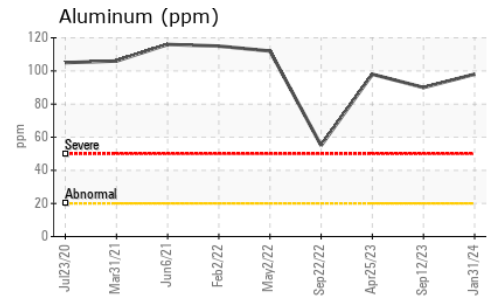
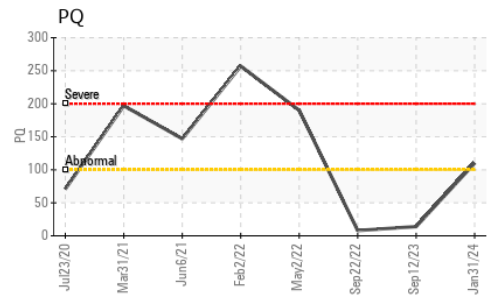
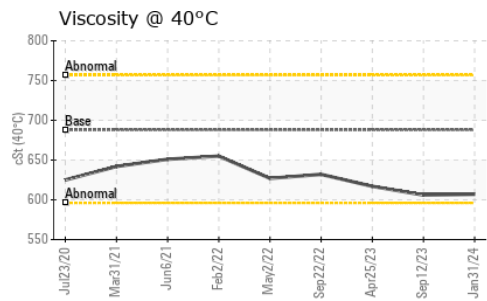
## CONTAMINATION

There is no indication of any contamination in the component(unconfirmed).

## FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>BR0000733</b>	BR0000773	BR0000625
Sample Date		Client Info		<b>31 Jan 2024</b>	12 Sep 2023	25 Apr 2023
Machine Age	hrs	Client Info		<b>275332</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>MARGINAL</b>	NORMAL	NORMAL
PQ		ASTM D8184*		<b>110</b>	14	---
Iron	ppm	ASTM D5185(m)	>20	<b>29</b>	37	10
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>98</b>	90	98
Lead	ppm	ASTM D5185(m)	>20	<b>3</b>	2	3
Copper	ppm	ASTM D5185(m)	>20	<b>24</b>	22	23
Tin	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>▲ VLITE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>15	<b>24</b>	26	18
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	<1	0
Water		WC Method	>0.05	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.05	<b>NEG</b>	NEG	NEG
Sodium	ppm	ASTM D5185(m)		<b>4</b>	3	2
Boron	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	<1
Barium	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)		<b>121</b>	131	99
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	0
Calcium	ppm	ASTM D5185(m)		<b>14</b>	18	4
Phosphorus	ppm	ASTM D5185(m)		<b>571</b>	675	628
Zinc	ppm	ASTM D5185(m)		<b>19</b>	20	19
Sulfur	ppm	ASTM D5185(m)		<b>10084</b>	9052	9534
Visc @ 40°C	cSt	ASTM D7279(m)	688	<b>607</b>	606	617



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **CAN JER INDUSTRIAL LUBRICANT LTD**  
**Sample No.** : BR0000733 **Received** : 29 Feb 2024 **419 MISSISSIPPIAN DRIVE**  
**Lab Number** : 02619061 **Tested** : 01 Mar 2024 **ESTEVAN, SK**  
**Unique Number** : 5736171 **Diagnosed** : 01 Mar 2024 - Kevin Marson **CA S4A 2A4**  
**Test Package** : IND 1 ( Additional Tests: Bottom, BottomAnalysis, FilterPatch, PQ ) **Contact: LANDON LILLEJORD**  
*To discuss this sample report, contact Customer Service at 1-800-268-2131.* **llilljrd@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:**