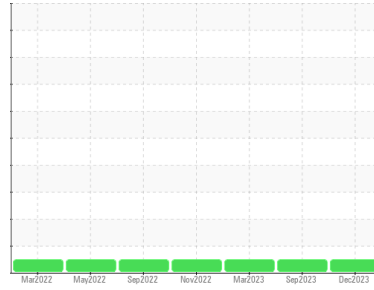




# GREASE ANALYSIS

Sample Rating Trend

**NORMAL**



Area  
**EAST CRANE**  
 Machine Id  
**170831 GREASE 0 NORTH**  
 Component  
**Grease**  
 Fluid  
**IRVING LUBEX SYN 2 46 (--- GAL)**

## DIAGNOSIS

- Recommendation**  
 Resample at the next service interval to monitor.
- Wear**  
 All component wear rates are normal.
- Grease Condition**  
 The condition of the grease is acceptable for the time in service.
- Contaminants**  
 There is no indication of any contamination in the grease.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PP</b>	PP	PP
Sample Date	Client Info	<b>10 Dec 2023</b>	10 Sep 2023	07 Mar 2023
Machine Age	hrs Client Info	<b>0</b>	0	0
Grease Age	hrs Client Info	<b>0</b>	0	0
Grease Serviced	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	<b>NEG</b>	NEG	NEG

## WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184* >200	<b>90</b>	0	40
Iron	ppm ASTM D5185(m) >250	<b>20</b>	9	13
Chromium	ppm ASTM D5185(m) >10	<b>0</b>	0	0
Nickel	ppm ASTM D5185(m) >5	<b>&lt;1</b>	<1	<1
Cadmium	ppm ASTM D5185(m)	<b>0</b>	0	0
Titanium	ppm ASTM D5185(m)	<b>0</b>	0	<1
Vanadium	ppm ASTM D5185(m)	<b>0</b>	0	0
Lead	ppm ASTM D5185(m) >25	<b>0</b>	0	<1
Copper	ppm ASTM D5185(m) >75	<b>&lt;1</b>	<1	<1
Tin	ppm ASTM D5185(m) >5	<b>0</b>	0	0
Silver	ppm ASTM D5185(m) >5	<b>&lt;1</b>	<1	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)	<b>6</b>	3	4
Magnesium	ppm ASTM D5185(m)	<b>17</b>	8	12
Manganese	ppm ASTM D5185(m)	<b>0</b>	<1	<1
Molybdenum	ppm ASTM D5185(m)	<b>0</b>	0	0
Phosphorus	ppm ASTM D5185(m)	<b>199</b>	133	166
Zinc	ppm ASTM D5185(m)	<b>109</b>	87	106
Antimony	ppm ASTM D5185(m)	<b>0</b>	0	0

## THICKENER/SOAP

method	limit/base	current	history1	history2
Aluminum	ppm ASTM D5185(m)	<b>3</b>	2	4
Barium	ppm ASTM D5185(m)	<b>&lt;1</b>	0	0
Calcium	ppm ASTM D5185(m)	<b>3975</b>	1832	2721
Sodium	ppm ASTM D5185(m)	<b>16</b>	10	12
Lithium	ppm ASTM D5185(m)	<b>137</b>	113	150
Sulfur	ppm ASTM D5185(m)	<b>853</b>	647	874

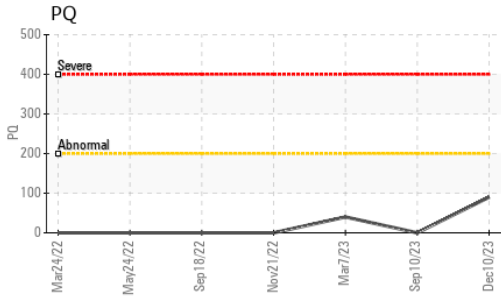
## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >150	<b>11</b>	5	12
Potassium	ppm ASTM D5185(m)	<b>&lt;1</b>	1	2

## GREASE CONDITION

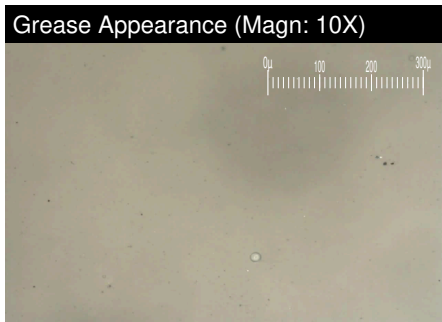
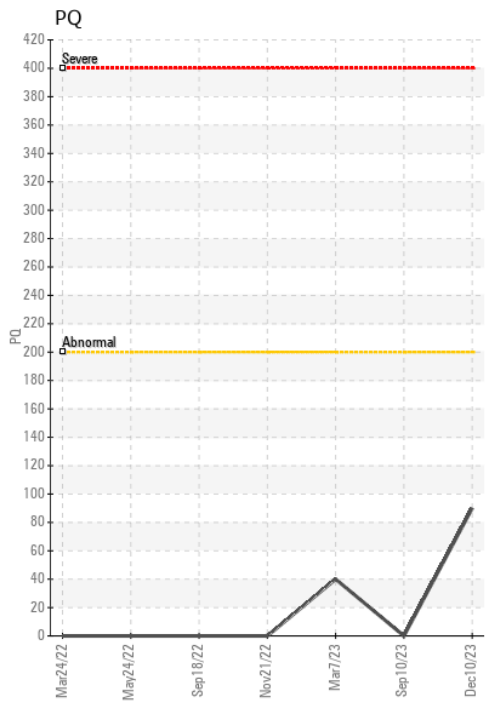
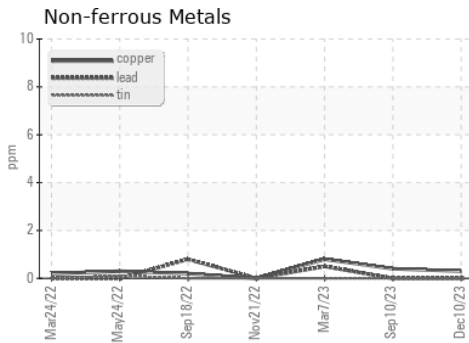
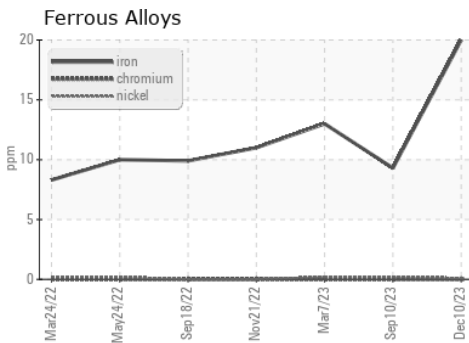
method	limit/base	current	history1	history2
Grease Color	Visual* Tan/Beige	<b>Tan</b>	Grey	Grey
Texture	In-house*	<b>Buttery</b>	Buttery	Buttery
NLGI Consistency	NLGI Scale SKF Method* 2	<b>2-3</b>	1-2	2

# GREASE ANALYSIS



SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					
PrtFilter					

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **HIBERNIA MGMT & DEVELOPMENT CO. LTD**  
**Sample No.** : PP **Received** : 15 Dec 2023 **ST. JOHNS, NL**  
**Lab Number** : 02603659 **Diagnosed** : 19 Dec 2023 **CA A1C 6K3**  
**Unique Number** : 5696744 **Diagnostician** : Bill Quesnel  
**Test Package** : GRS 1 ( Additional Tests: BottomAnalysis ) **Contact: Sam Nash**

*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.*

**samantha.m.nash@exxonmobil.com**  
**T: (709)722-3766**