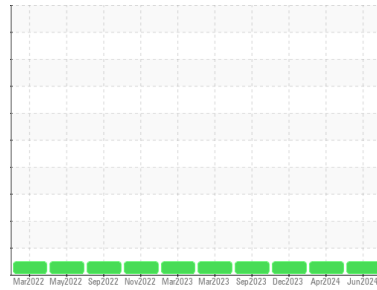




# GREASE ANALYSIS

## Sample Rating Trend



NORMAL



Area  
**EAST CRANE [1399889]**  
 Machine Id  
**170831 GREASE 90 EAST**  
 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>13 Jun 2024</b>	18 Apr 2024	10 Dec 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>0</b>	220	250
Iron	ppm	ASTM D5185(m)	>250	<b>26</b>	31	34
Chromium	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	<1
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>&lt;1</b>	<1	0
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>	0	<1

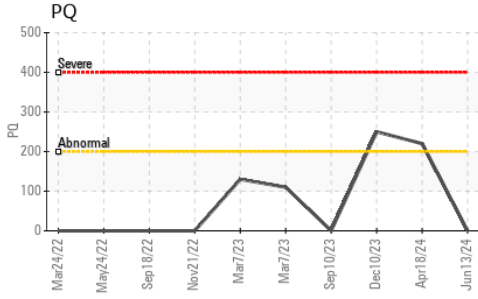
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>6</b>	6	7
Magnesium	ppm	ASTM D5185(m)		<b>20</b>	25	25
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	0
Phosphorus	ppm	ASTM D5185(m)		<b>221</b>	249	271
Zinc	ppm	ASTM D5185(m)		<b>88</b>	79	97
Antimony	ppm	ASTM D5185(m)		<b>0</b>	0	0

THICKENER/SOAP		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)		<b>6</b>	4	4
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Calcium	ppm	ASTM D5185(m)		<b>4481</b>	5688	6217
Sodium	ppm	ASTM D5185(m)		<b>27</b>	26	26
Lithium	ppm	ASTM D5185(m)		<b>107</b>	90	100
Sulfur	ppm	ASTM D5185(m)		<b>838</b>	852	893

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>150	<b>20</b>	15	16
Potassium	ppm	ASTM D5185(m)		<b>3</b>	3	3

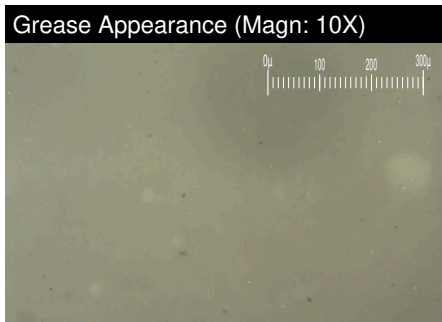
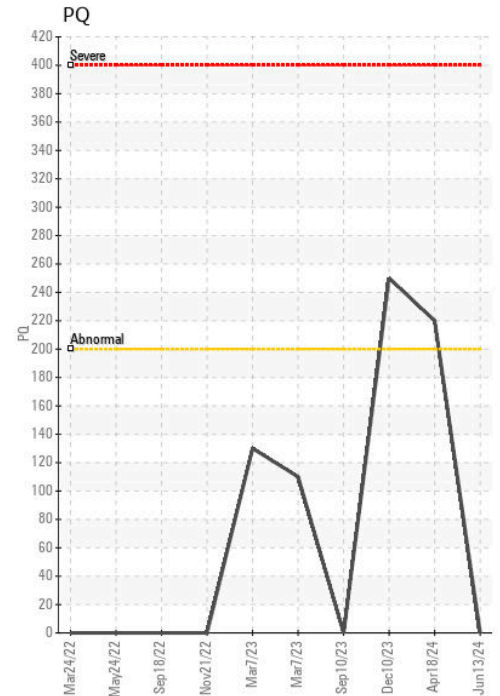
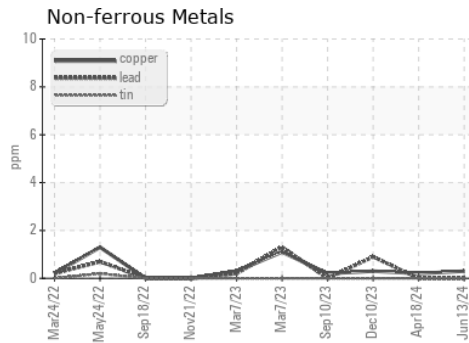
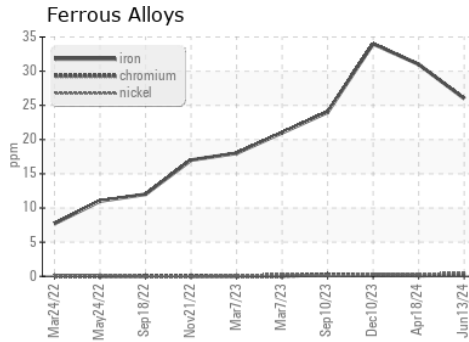
GREASE CONDITION		method	limit/base	current	history1	history2
Grease Color	Visual*	Tan/Beige		<b>Tan</b>	Tan	Tan
Texture	In-house*			<b>Buttery</b>	Buttery	Buttery
NLGI Consistency	NLGI Scale	SKF Method*	2	<b>2-3</b>	2	2-3

# GREASE ANALYSIS



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

## GRAPHS



**CALA**  
ISO 17025:2017 Accredited Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PP  
**Lab Number** : 02642199  
**Unique Number** : 5799738  
**Test Package** : GRS 1 ( Additional Tests: BottomAnalysis )

**HIBERNIA MGMT & DEVELOPMENT CO. LTD**  
 SUITE 1000,, 100 NEW GOWER STREET  
 ST.JOHN'S, NL  
 CA A1C 6K3  
 Contact: Sam Nash  
 samantha.m.nash@exxonmobil.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.

T:  
 F: (709)722-3766