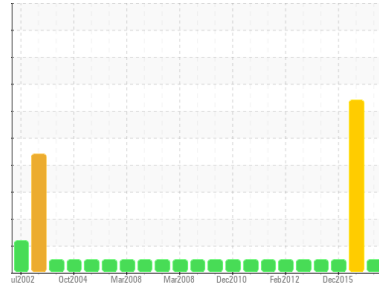


# GREASE ANALYSIS

Sample Rating Trend



**NORMAL**



Area  
**CRANES**  
Machine Id  
**Slew Bearing - Aft Crane Counter weight (S/N Sample Tag MA-04001)**  
Component  
**Grease**  
Fluid  
**PETRO CANADA PRECISION XL EP2 (--- LTR)**

## 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>PC</b>	PC	PC351015
Sample Date	Client Info			<b>30 Apr 2024</b>	31 Dec 2023	09 Dec 2015
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>	ABNORMAL	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>280</b>	▲ 339	---
Iron	ppm	ASTM D5185(m)	>250	<b>25</b>	▲ 168	25
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	1	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>1</b>	2	1
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	3	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Lead	ppm	ASTM D5185(m)	>25	<b>3</b>	2	5
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>0</b>	0	0

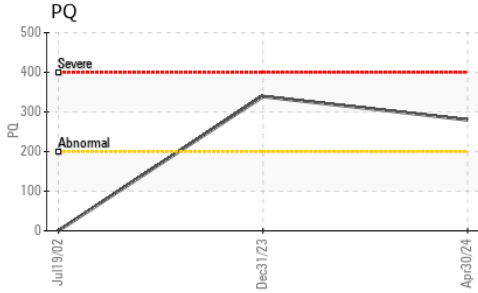
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>3</b>	3	3
Magnesium	ppm	ASTM D5185(m)		<b>2</b>	24	2
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Molybdenum	ppm	ASTM D5185(m)		<b>32</b>	22	3
Phosphorus	ppm	ASTM D5185(m)		<b>35</b>	25	43
Zinc	ppm	ASTM D5185(m)		<b>34</b>	26	40
Antimony	ppm	ASTM D5185(m)		<b>21</b>	10	18

THICKENER/SOAP		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)		<b>4</b>	● 151	6
Barium	ppm	ASTM D5185(m)		<b>3</b>	4	4
Calcium	ppm	ASTM D5185(m)		<b>156</b>	452	145
Sodium	ppm	ASTM D5185(m)		<b>12</b>	23	13
Lithium	ppm	ASTM D5185(m)		<b>150</b>	82	160
Sulfur	ppm	ASTM D5185(m)		<b>627</b>	659	658

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>150	<b>9</b>	▲ 385	16
Potassium	ppm	ASTM D5185(m)		<b>1</b>	3	<1

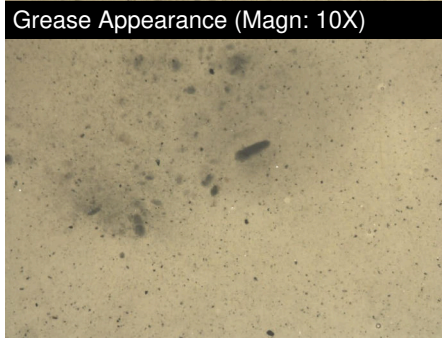
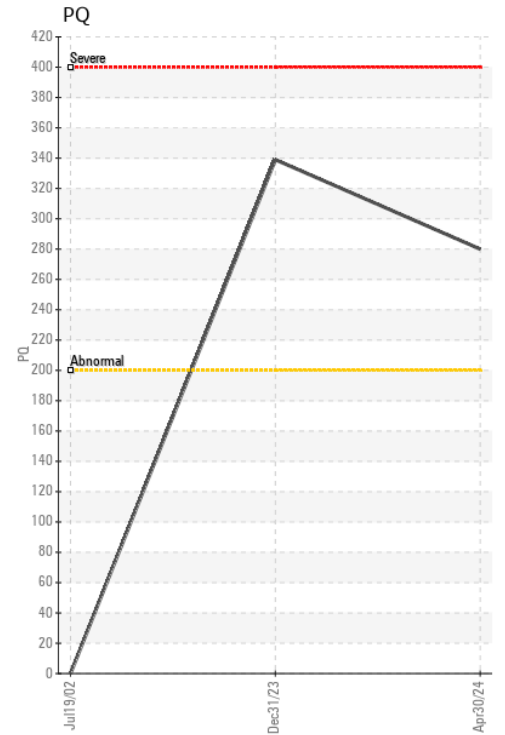
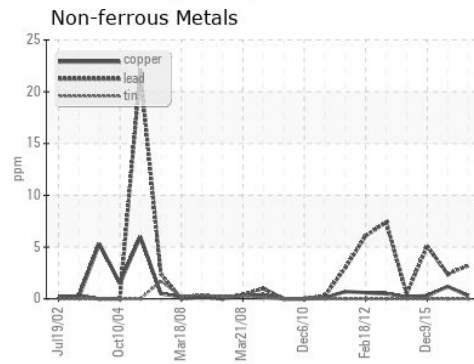
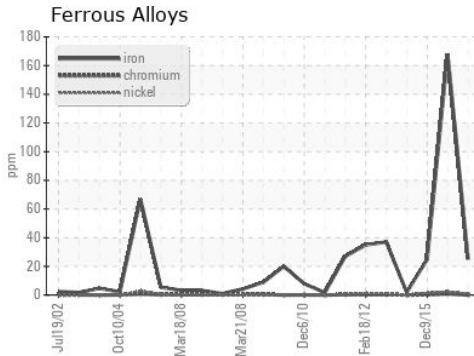
GREASE CONDITION		method	limit/base	current	history1	history2
Grease Color	Visual*		Brown	<b>Brown</b>	Black	---
Texture	In-house*		Stringy	<b>Stringy</b>	Stringy	---
NLGI Consistency	NLGI Scale	SKF Method*	2	<b>2</b>	1	---

# GREASE ANALYSIS



SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					
PrtFilter					no image

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC **Received** : 16 May 2024  
**Lab Number** : **02636241** **Tested** : 22 May 2024  
**Unique Number** : 5785403 **Diagnosed** : 22 May 2024 - Bill Quesnel  
**Test Package** : GRS 1 ( Additional Tests: BottomAnalysis )

**Suncor - Terra Nova Projects**  
 Scotia Centre, 235 Water Street  
 St. John's, NL  
 CA A1C 1B6  
 Contact: Josh Hynes  
 joshynes@suncor.com  
 T: (709)778-3575  
 F: (709)724-2835

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.