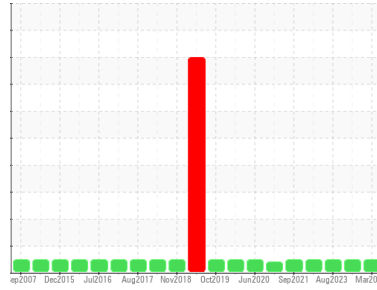


# GREASE ANALYSIS

Sample Rating Trend



**NORMAL**



Area  
**CRANES**  
Machine Id  
**Crane - Fwd Slew Brg Grease (S/N Sample Tag: MA-04001)**  
Component  
**Forward 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	PC0039821
Sample Date	Client Info	<b>17 Mar 2024</b>	12 Feb 2024	16 Aug 2023
Machine Age	hrs	Client Info	<b>0</b>	0
Grease Age	hrs	Client Info	<b>0</b>	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

## WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	>200	<b>0</b>	881
Iron	ppm	ASTM D5185(m)	>250	<b>&lt;1</b>
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>
Cadmium	ppm	ASTM D5185(m)		<b>0</b>
Titanium	ppm	ASTM D5185(m)		<b>0</b>
Vanadium	ppm	ASTM D5185(m)		<b>0</b>
Lead	ppm	ASTM D5185(m)	>25	<b>0</b>
Copper	ppm	ASTM D5185(m)	>75	<b>0</b>
Tin	ppm	ASTM D5185(m)	>5	<b>0</b>
Silver	ppm	ASTM D5185(m)	>5	<b>0</b>

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>&lt;1</b>
Magnesium	ppm	ASTM D5185(m)		<b>&lt;1</b>
Manganese	ppm	ASTM D5185(m)		<b>0</b>
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>
Phosphorus	ppm	ASTM D5185(m)		<b>18</b>
Zinc	ppm	ASTM D5185(m)		<b>1</b>
Antimony	ppm	ASTM D5185(m)		<b>0</b>

## THICKENER/SOAP

method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)		<b>&lt;1</b>
Barium	ppm	ASTM D5185(m)		<b>0</b>
Calcium	ppm	ASTM D5185(m)		<b>34</b>
Sodium	ppm	ASTM D5185(m)		<b>1</b>
Lithium	ppm	ASTM D5185(m)		<b>106</b>
Sulfur	ppm	ASTM D5185(m)		<b>416</b>

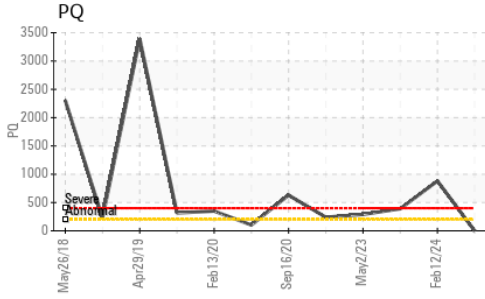
## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>150	<b>0</b>
Potassium	ppm	ASTM D5185(m)		<b>&lt;1</b>

## GREASE CONDITION

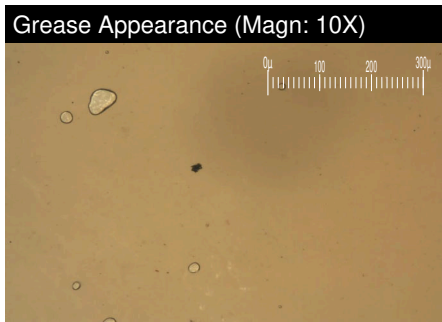
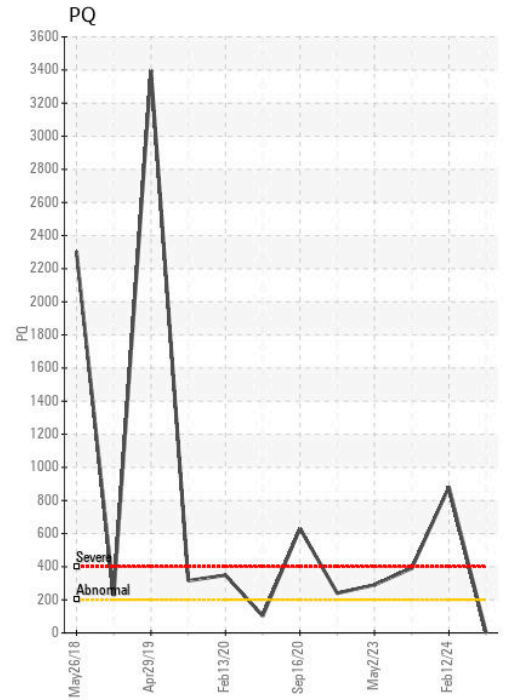
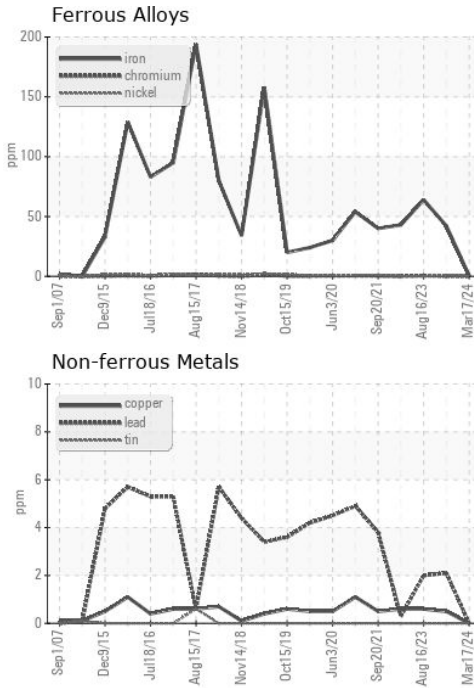
method	limit/base	current	history1	history2
Grease Color	Visual*	Brown	<b>Brown</b>	Black
Texture	In-house*	Stringy	<b>Stringy</b>	Stringy
NLGI Consistency	NLGI Scale	SKF Method*	2	<b>1-2</b>

# GREASE ANALYSIS



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

## GRAPHS



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC **Received** : 18 Mar 2024  
**Lab Number** : 02622910 **Tested** : 19 Mar 2024  
**Unique Number** : 5748029 **Diagnosed** : 20 Mar 2024 - Bill Quesnel  
**Test Package** : GRS 1 ( Additional Tests: BottomAnalysis )

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.

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