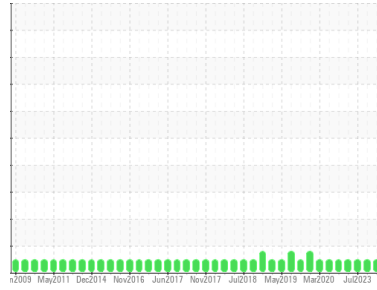


# GREASE ANALYSIS

Sample Rating Trend



**NORMAL**



Area  
**Turret**  
Machine Id  
**Turret Swivel #2 - 16 (S/N Sample Tag NC-21603)**  
Component  
**Grease**  
Fluid  
**PETRO CANADA GREASE OG-1 (--- 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>PC</b>	PC	PC
Sample Date	Client Info		<b>23 Jan 2024</b>	04 Jan 2024	31 Jul 2023
Machine Age	days	Client Info	<b>0</b>	0	0
Grease Age	days	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>	0	0	
Iron	ppm	ASTM D5185(m)	>250	<b>7</b>	21	2
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	0
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Lead	ppm	ASTM D5185(m)	>25	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>75	<b>0</b>	<1	0
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>146</b>	81	196
Magnesium	ppm	ASTM D5185(m)		<b>14</b>	3	7
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	0
Phosphorus	ppm	ASTM D5185(m)		<b>12</b>	8	7
Zinc	ppm	ASTM D5185(m)		<b>31</b>	17	2
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>	1	2
Barium	ppm	ASTM D5185(m)		<b>8</b>	0	0
Calcium	ppm	ASTM D5185(m)		<b>3657</b>	1755	4954
Sodium	ppm	ASTM D5185(m)		<b>10</b>	6	2
Lithium	ppm	ASTM D5185(m)		<b>18</b>	40	<1
Sulfur	ppm	ASTM D5185(m)		<b>880</b>	580	918

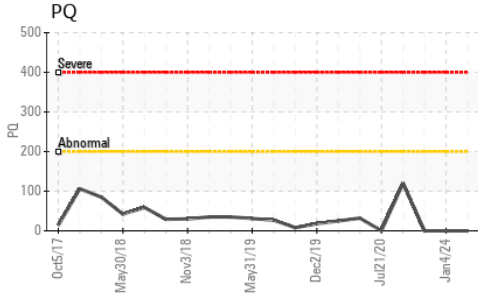
## CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>150	<b>24</b>	58	3
Potassium	ppm	ASTM D5185(m)		<b>3</b>	3	4

## GREASE CONDITION

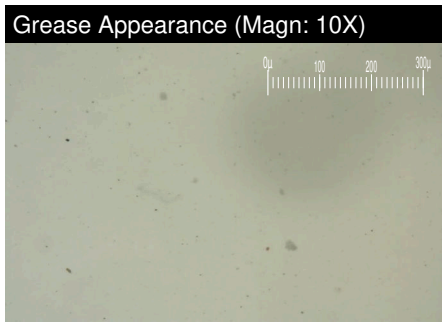
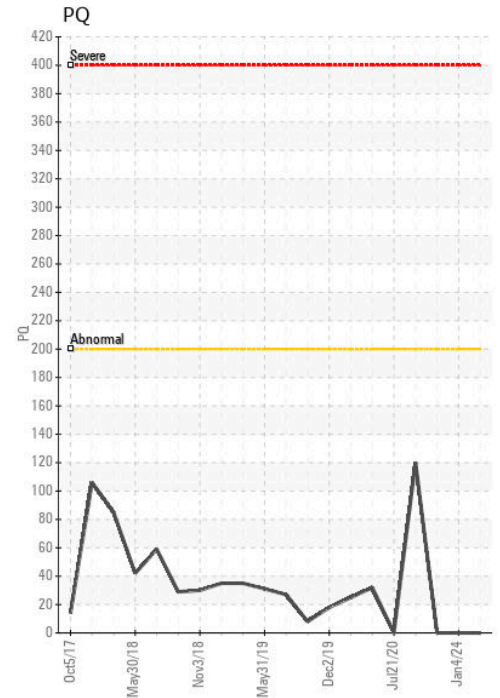
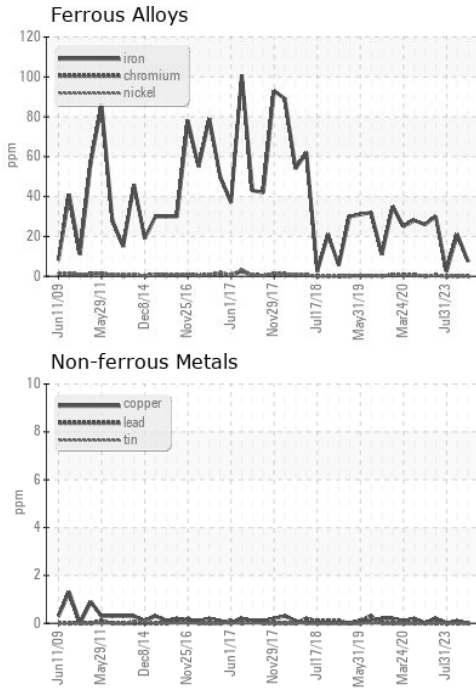
	method	limit/base	current	history1	history2
Grease Color	Visual*	Tan	<b>Tan</b>	Brown	Tan
Texture	In-house*	Buttery	<b>Buttery</b>	Stringy	Buttery
NLGI Consistency	NLGI Scale	SKF Method* 1	<b>1-2</b>	1	1-2

# GREASE ANALYSIS



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

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC **Received** : 16 Feb 2024  
**Lab Number** : 02616501 **Tested** : 22 Feb 2024  
**Unique Number** : 5733611 **Diagnosed** : 22 Feb 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.