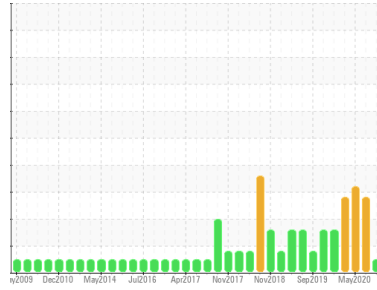


# GREASE ANALYSIS

Sample Rating Trend



**NORMAL**



Area  
**Turret [450132861]**  
Machine Id  
**Turret Swivel #1 - 16 (S/N Sample Tag: NC-21604)**  
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>	PC0029636	PC
Sample Date	Client Info			<b>31 Jul 2023</b>	21 Jul 2020	18 May 2020
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>	SEVERE	SEVERE

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*	>200	<b>0</b>	0	63
Iron	ppm	ASTM D5185(m)	>250	<b>2</b>	301	217
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	4	4
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	5	5
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	0
Copper	ppm	ASTM D5185(m)	>75	<b>0</b>	<1	<1
Tin	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>5	<b>0</b>	0	<1

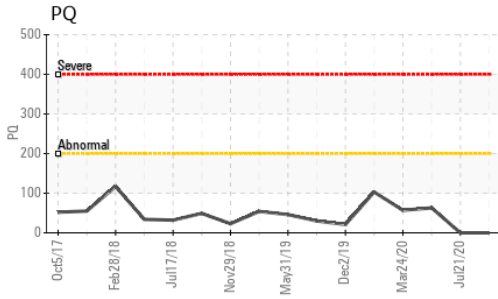
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>178</b>	▲ 2	▲ 2
Magnesium	ppm	ASTM D5185(m)		<b>6</b>	3	2
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	3	2
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	2	4
Phosphorus	ppm	ASTM D5185(m)		<b>5</b>	▲ 48	▲ 50
Zinc	ppm	ASTM D5185(m)		<b>2</b>	8	▲ 30
Antimony	ppm	ASTM D5185(m)		<b>0</b>	6	58

THICKENER/SOAP		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)		<b>2</b>	<1	<1
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	4
Calcium	ppm	ASTM D5185(m)		<b>4403</b>	▲ 64	▲ 86
Sodium	ppm	ASTM D5185(m)		<b>2</b>	23	16
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	522	492
Sulfur	ppm	ASTM D5185(m)		<b>800</b>	668	716

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>150	<b>3</b>	2	3
Potassium	ppm	ASTM D5185(m)		<b>2</b>	2	1

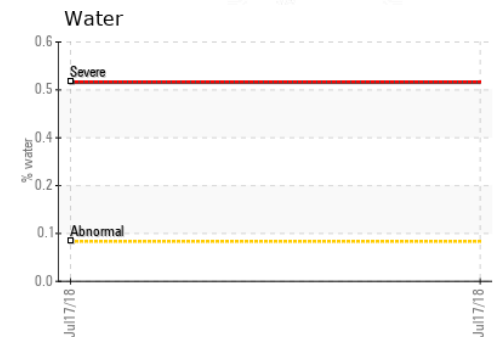
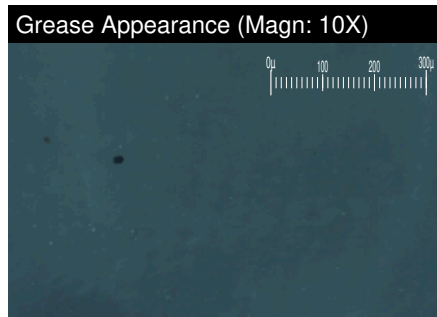
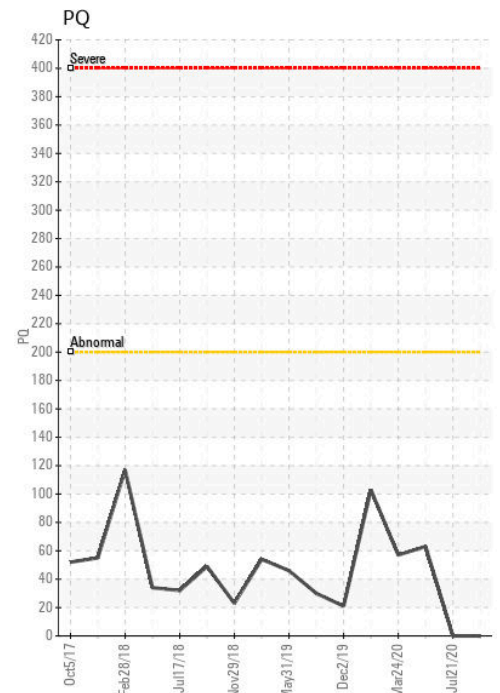
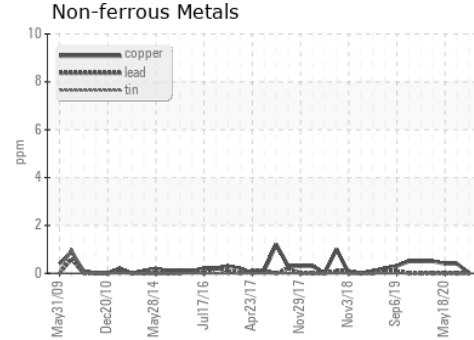
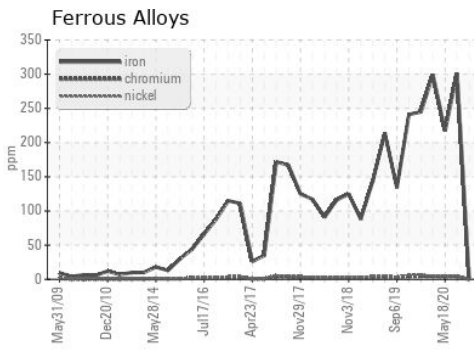
GREASE CONDITION		method	limit/base	current	history1	history2
Grease Color	Visual*	Tan		<b>Tan</b>	Brown	Black
Texture	In-house*	Buttery		<b>Buttery</b>	Tacky	Tacky
NLGI Consistency	NLGI Scale	SKF Method*	1	<b>1-2</b>	● 5	● 5

# 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  
**Lab Number** : 02576626  
**Unique Number** : 5629686  
**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.*