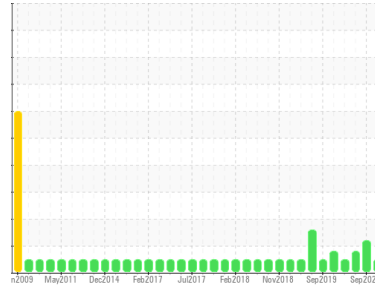


# GREASE ANALYSIS

Sample Rating Trend



**NORMAL**



Area  
**Turret [450132861]**  
Machine Id  
**Turret Swivel #3 - 12" Production Grease Sample (S/N Sample Tag: NC-21602)**  
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>31 Jul 2023</b>	17 Sep 2020	17 Aug 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>	ATTENTION	ATTENTION

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*	>200	<b>0</b>	160	0
Iron	ppm	ASTM D5185(m)	>250	<b>2</b>	6	5
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	<1
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	<1
Tin	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>5	<b>0</b>	0	<1

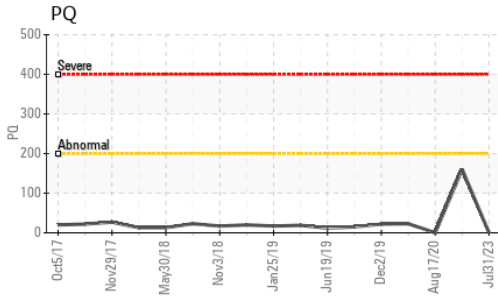
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>142</b>	▲ 8	▲ 32
Magnesium	ppm	ASTM D5185(m)		<b>5</b>	<1	2
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Phosphorus	ppm	ASTM D5185(m)		<b>7</b>	15	16
Zinc	ppm	ASTM D5185(m)		<b>2</b>	2	12
Antimony	ppm	ASTM D5185(m)		<b>0</b>	<1	<1

THICKENER/SOAP		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)		<b>1</b>	<1	<1
Barium	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Calcium	ppm	ASTM D5185(m)		<b>3712</b>	▲ 173	▲ 776
Sodium	ppm	ASTM D5185(m)		<b>3</b>	3	6
Lithium	ppm	ASTM D5185(m)		<b>2</b>	130	121
Sulfur	ppm	ASTM D5185(m)		<b>691</b>	▲ 469	525

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>150	<b>2</b>	31	31
Potassium	ppm	ASTM D5185(m)		<b>2</b>	<1	<1

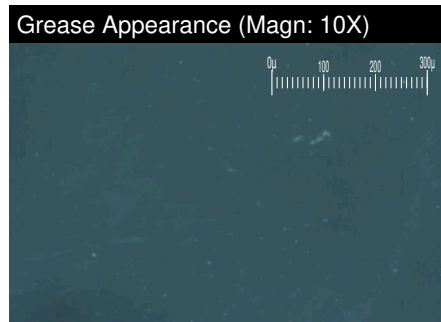
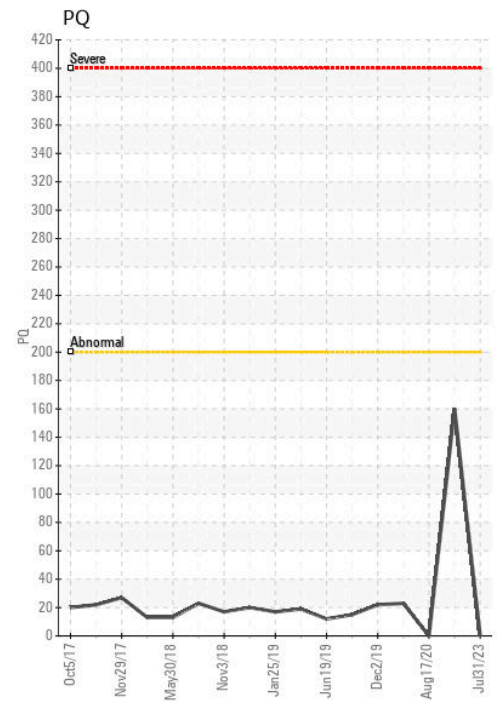
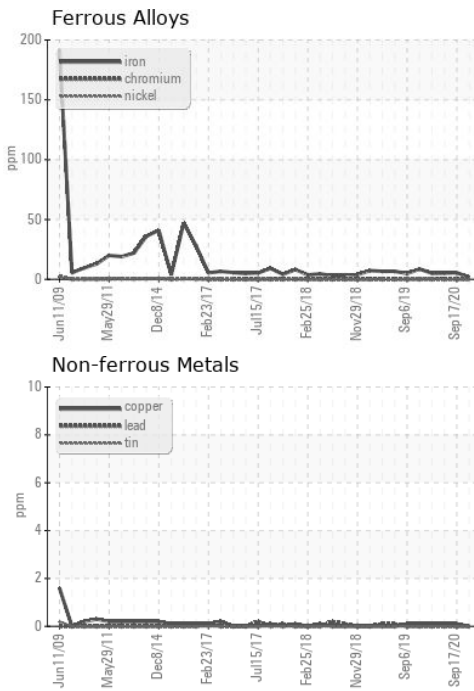
GREASE CONDITION		method	limit/base	current	history1	history2
Grease Color	Visual*	Tan		<b>Tan</b>	Yellow	Brown
Texture	In-house*	Buttery		<b>Buttery</b>	Short fiber	Short fiber
NLGI Consistency	NLGI Scale SKF Method*	1		<b>1-2</b>	00-0	0-1

# 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** : 02576624  
**Unique Number** : 5629684  
**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  
 joshhynes@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.*