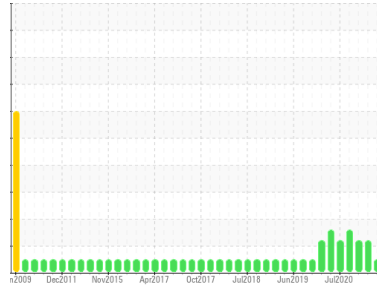


GREASE ANALYSIS

Sample Rating Trend



NORMAL



Area
Turret [450210537]
Machine Id
Turret Swivel #5 - 12 (S/N Sample Tag NC-43601)
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		PC0052488	PC	PC
Sample Date	Client Info		08 Oct 2023	17 Sep 2020	17 Aug 2020
Machine Age	hrs	Client Info	0	0	0
Grease Age	hrs	Client Info	0	0	0
Grease Serviced	Client Info		N/A	N/A	N/A
Sample Status			NORMAL	ATTENTION	ATTENTION

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*	>200	0	160	80
Iron	ppm	ASTM D5185(m)	>250	6	7
Chromium	ppm	ASTM D5185(m)	>10	0	<1
Nickel	ppm	ASTM D5185(m)	>5	<1	<1
Cadmium	ppm	ASTM D5185(m)		0	<1
Titanium	ppm	ASTM D5185(m)		0	0
Vanadium	ppm	ASTM D5185(m)		0	0
Lead	ppm	ASTM D5185(m)	>25	<1	<1
Copper	ppm	ASTM D5185(m)	>75	<1	<1
Tin	ppm	ASTM D5185(m)	>5	0	0
Silver	ppm	ASTM D5185(m)	>5	<1	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		169	2
Magnesium	ppm	ASTM D5185(m)		5	<1
Manganese	ppm	ASTM D5185(m)		0	<1
Molybdenum	ppm	ASTM D5185(m)		0	2
Phosphorus	ppm	ASTM D5185(m)		11	56
Zinc	ppm	ASTM D5185(m)		11	58
Antimony	ppm	ASTM D5185(m)		0	108

THICKENER/SOAP

	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)		2	0
Barium	ppm	ASTM D5185(m)		<1	2
Calcium	ppm	ASTM D5185(m)		4059	71
Sodium	ppm	ASTM D5185(m)		4	5
Lithium	ppm	ASTM D5185(m)		14	201
Sulfur	ppm	ASTM D5185(m)		781	663

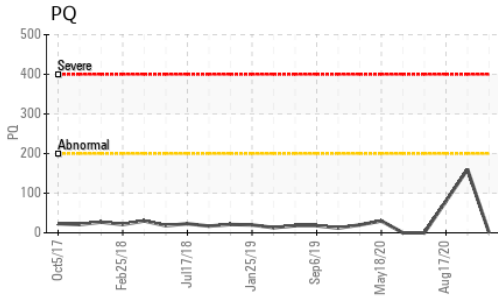
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>150	20	<1
Potassium	ppm	ASTM D5185(m)		2	<1

GREASE CONDITION

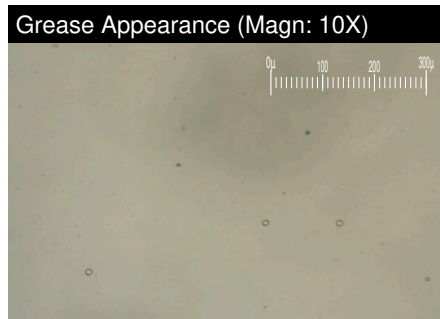
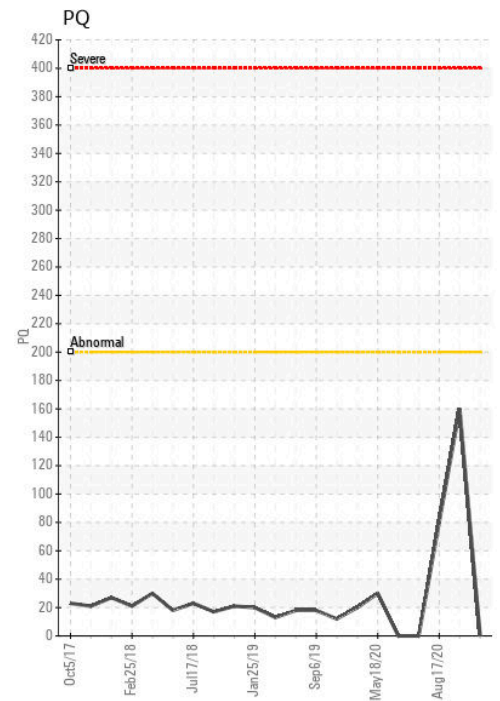
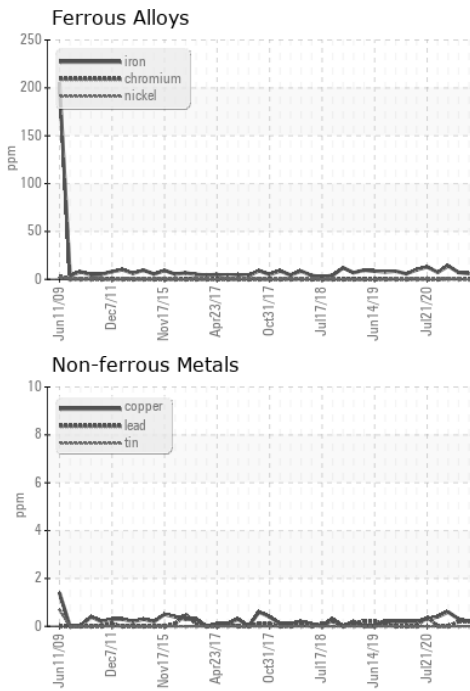
	method	limit/base	current	history1	history2
Grease Color	Visual*	Tan	Cream	Gold	Brown
Texture	In-house*	Buttery	Buttery	Short fiber	Short fiber
NLGI Consistency	NLGI Scale	SKF Method* 1	1-2	1-2	2

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. : PC0052488 **Received** : 23 Nov 2023
Lab Number : **02598617** **Diagnosed** : 27 Nov 2023
Unique Number : 5683697 **Diagnostician** : Bill Quesnel
Test Package : GRS 1 (Additional Tests: BottomAnalysis, Spat, TAN Auto, TAN Man)

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.*