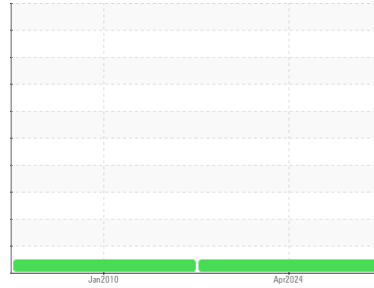


GREASE ANALYSIS

Sample Rating Trend



NORMAL



Area
[450323075]
Machine Id
#5, 12 INCH FLARE SWIVEL
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		PC	PC	---
Sample Date	Client Info		23 Apr 2024	04 Jan 2010	---
Machine Age	days	Client Info	0	0	---
Grease Age	days	Client Info	0	0	---
Grease Serviced	Client Info		N/A	N/A	---
Sample Status			NORMAL	NORMAL	---

CONTAMINATION

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

WEAR METALS

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

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		178	0
Magnesium	ppm	ASTM D5185(m)		6	<1
Manganese	ppm	ASTM D5185(m)		0	<1
Molybdenum	ppm	ASTM D5185(m)		0	2
Phosphorus	ppm	ASTM D5185(m)		3	17
Zinc	ppm	ASTM D5185(m)		11	7
Antimony	ppm	ASTM D5185(m)		0	---

THICKENER/SOAP

	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)		2	<1
Barium	ppm	ASTM D5185(m)		<1	<1
Calcium	ppm	ASTM D5185(m)		4127	15
Sodium	ppm	ASTM D5185(m)		5	4
Lithium	ppm	ASTM D5185(m)		10	---
Sulfur	ppm	ASTM D5185(m)		765	331

CONTAMINANTS

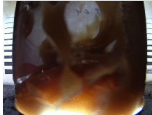


	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>150	70	2
Potassium	ppm	ASTM D5185(m)		2	<1

GREASE CONDITION

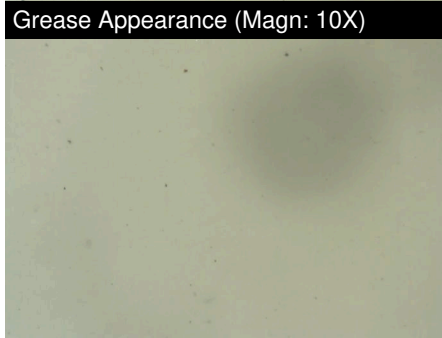
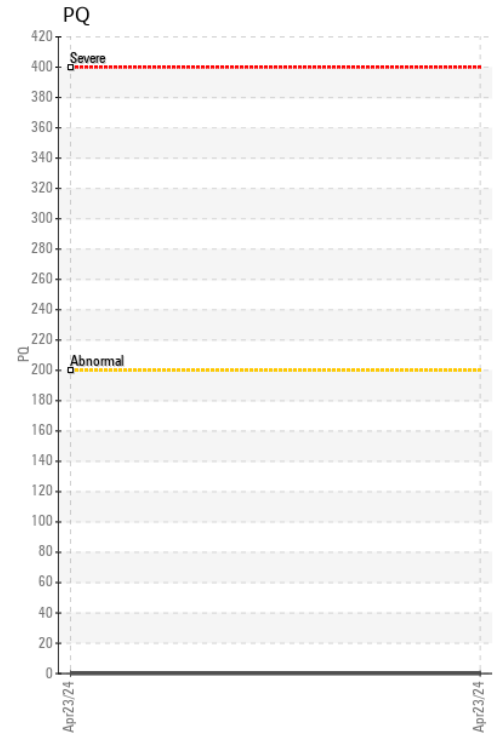
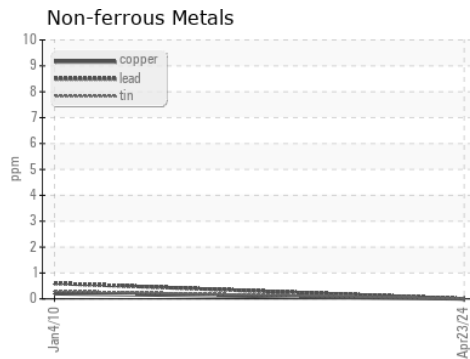
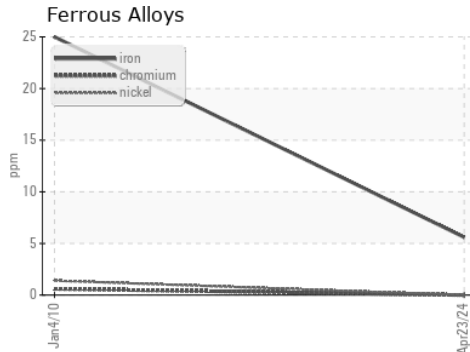
	method	limit/base	current	history1	history2
Grease Color	Visual*	Tan	Tan	---	---
Texture	In-house*	Buttery	Buttery	---	---
NLGI Consistency	NLGI Scale	SKF Method* 1	2	---	---

GREASE ANALYSIS



SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image
PrtFilter				no image	no image

GRAPHS



CALA
ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC **Received** : 10 May 2024
Lab Number : 02634830 **Tested** : 14 May 2024
Unique Number : 5775983 **Diagnosed** : 15 May 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.