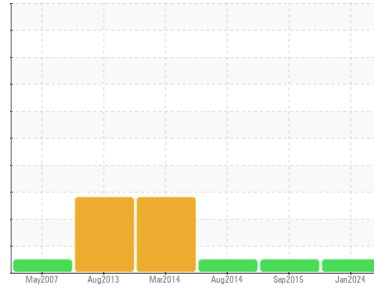


GREASE ANALYSIS

Sample Rating Trend



NORMAL



Area
CRANES [450255637]
Machine Id
Slew Bearing Crane Mid - 90 Degrees (S/N Sample Tag MA-04002)
Component
Grease
Fluid
PETRO CANADA PRECISION XL EP2 (--- LTR)

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		PC0076305	PC366398	PC
Sample Date	Client Info		20 Jan 2024	17 Sep 2015	09 Aug 2014
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	NORMAL	NORMAL

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	9350	5809	3432
Iron	ppm	ASTM D5185(m)	>250	360	386
Chromium	ppm	ASTM D5185(m)	>10	1	1
Nickel	ppm	ASTM D5185(m)	>5	<1	<1
Cadmium	ppm	ASTM D5185(m)		0	0
Titanium	ppm	ASTM D5185(m)		0	<1
Vanadium	ppm	ASTM D5185(m)		0	0
Lead	ppm	ASTM D5185(m)	>25	<1	0
Copper	ppm	ASTM D5185(m)	>75	<1	<1
Tin	ppm	ASTM D5185(m)	>5	0	0
Silver	ppm	ASTM D5185(m)	>5	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		2	1
Magnesium	ppm	ASTM D5185(m)		3	1
Manganese	ppm	ASTM D5185(m)		5	5
Molybdenum	ppm	ASTM D5185(m)		43	95
Phosphorus	ppm	ASTM D5185(m)		33	53
Zinc	ppm	ASTM D5185(m)		33	53
Antimony	ppm	ASTM D5185(m)		6	20

THICKENER/SOAP

	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)		1	1
Barium	ppm	ASTM D5185(m)		<1	2
Calcium	ppm	ASTM D5185(m)		104	93
Sodium	ppm	ASTM D5185(m)		14	9
Lithium	ppm	ASTM D5185(m)		163	212
Sulfur	ppm	ASTM D5185(m)		612	798

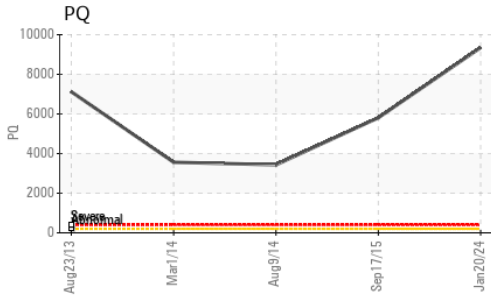
CONTAMINANTS

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

GREASE CONDITION

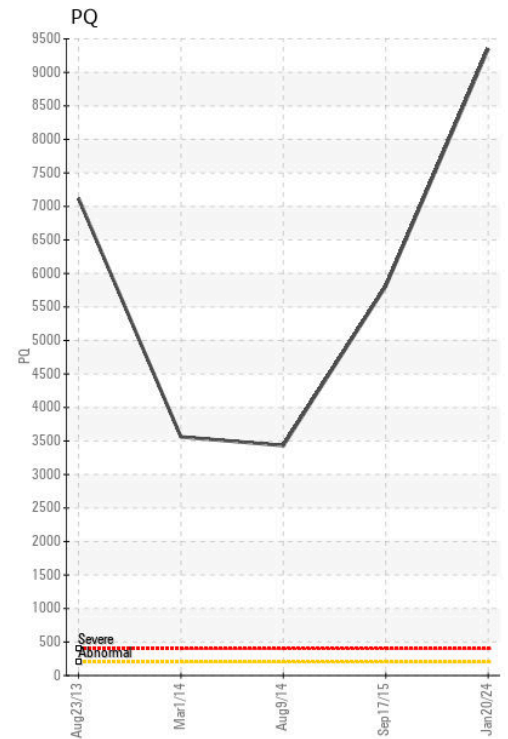
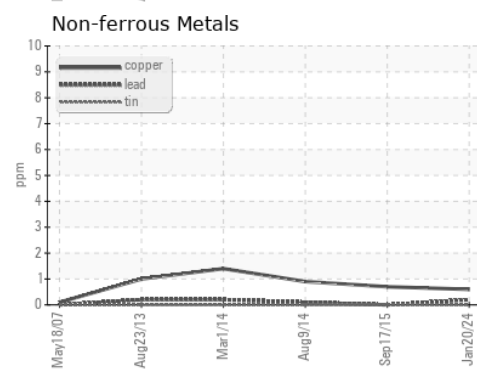
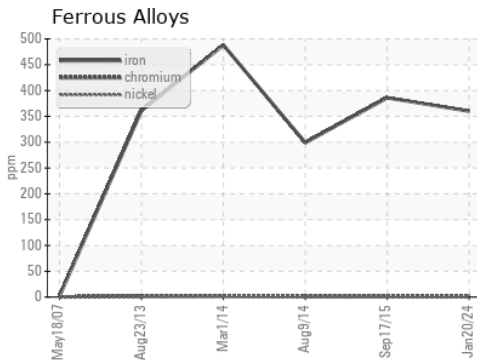
	method	limit/base	current	history1	history2
Grease Color	Visual*	Brown	Grey	---	---
Texture	In-house*	Stringy	Stringy	---	---
NLGI Consistency	NLGI Scale	SKF Method* 2	1	---	---

GREASE ANALYSIS



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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0076305 **Received** : 09 Feb 2024
Lab Number : 02614855 **Tested** : 15 Feb 2024
Unique Number : 5723950 **Diagnosed** : 15 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
 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.