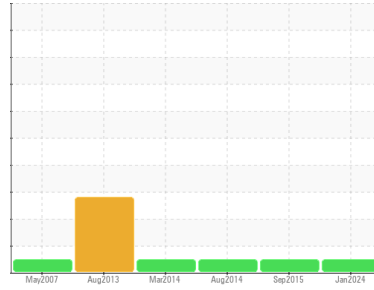


GREASE ANALYSIS

Sample Rating Trend



NORMAL



Area
CRANES [450255637]
Machine Id
Slew Bearing Crane Mid 270 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	PC0076306	PC366396	PC
Sample Date	Client Info	20 Jan 2024	17 Sep 2015	09 Aug 2014
Machine Age	hrs	0	0	0
Grease Age	hrs	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	8160	5406	---
Iron	ppm ASTM D5185(m) >250	356	383	208
Chromium	ppm ASTM D5185(m) >10	1	1	<1
Nickel	ppm ASTM D5185(m) >5	<1	<1	<1
Cadmium	ppm ASTM D5185(m)	0	0	<1
Titanium	ppm ASTM D5185(m)	0	<1	<1
Vanadium	ppm ASTM D5185(m)	0	0	0
Lead	ppm ASTM D5185(m) >25	0	0	<1
Copper	ppm ASTM D5185(m) >75	<1	1	1
Tin	ppm ASTM D5185(m) >5	0	0	0
Silver	ppm ASTM D5185(m) >5	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)	1	<1	<1
Magnesium	ppm ASTM D5185(m)	4	1	3
Manganese	ppm ASTM D5185(m)	5	5	3
Molybdenum	ppm ASTM D5185(m)	45	108	13
Phosphorus	ppm ASTM D5185(m)	34	50	143
Zinc	ppm ASTM D5185(m)	35	51	151
Antimony	ppm ASTM D5185(m)	6	20	45

THICKENER/SOAP

method	limit/base	current	history1	history2
Aluminum	ppm ASTM D5185(m)	1	1	1
Barium	ppm ASTM D5185(m)	1	2	5
Calcium	ppm ASTM D5185(m)	102	96	58
Sodium	ppm ASTM D5185(m)	17	9	17
Lithium	ppm ASTM D5185(m)	163	226	253
Sulfur	ppm ASTM D5185(m)	617	787	940

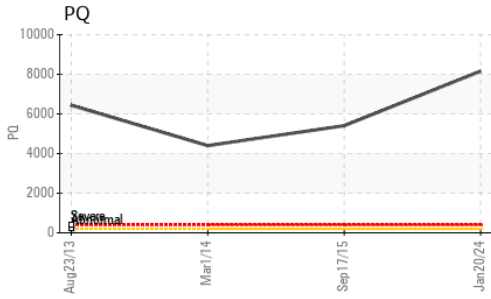
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >150	2	3	3
Potassium	ppm ASTM D5185(m)	1	<1	0

GREASE CONDITION

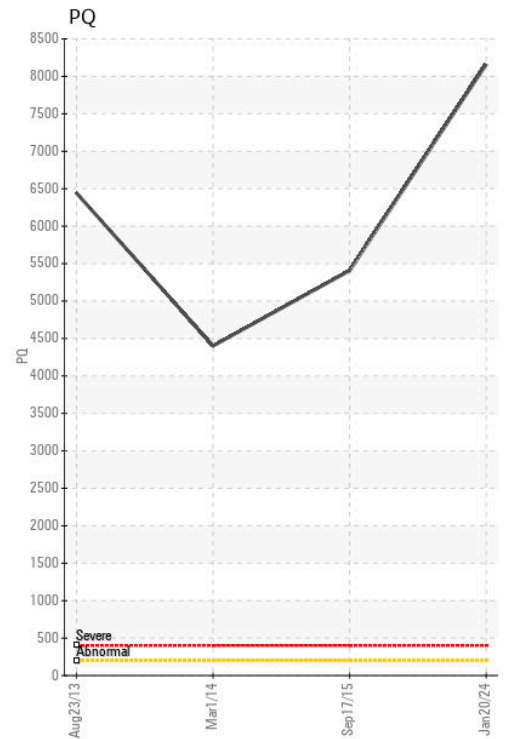
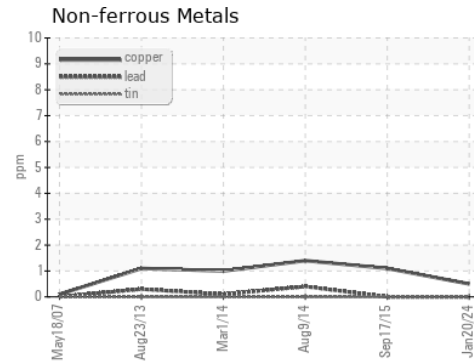
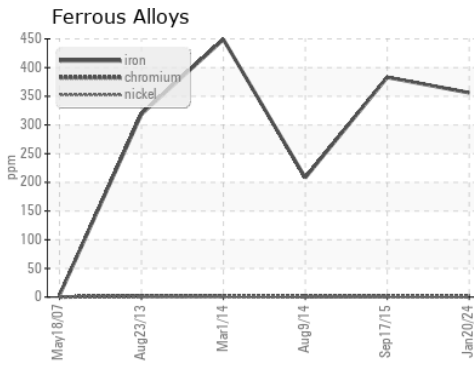
method	limit/base	current	history1	history2
Grease Color	Visual* Brown	Grey	---	---
Texture	In-house* Stringy	Stringy	---	---
NLGI Consistency	NLGI Scale SKF Method* 2	1	---	---

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. : PC0076306 **Received** : 09 Feb 2024
Lab Number : **02614854** **Tested** : 15 Feb 2024
Unique Number : 5723949 **Diagnosed** : 15 Feb 2024 - Bill Quesnel
Test Package : GRS 1 (Additional Tests: BottomAnalysis)

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.

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