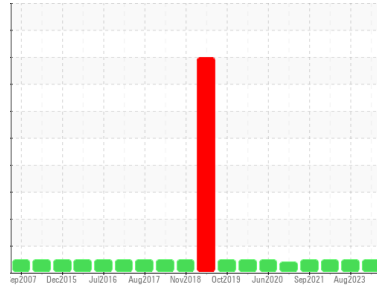


GREASE ANALYSIS

Sample Rating Trend



Area
CRANES
Machine Id
Crane - Fwd Slew Brg Grease (S/N Sample Tag: MA-04001)
Component
Forward 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	PC	PC0039821	PC0051999
Sample Date	Client Info	12 Feb 2024	16 Aug 2023	02 May 2023
Machine Age	hrs	Client Info	0	0
Grease Age	hrs	Client Info	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	881	390	290
Iron	ppm ASTM D5185(m) >250	42	64	43
Chromium	ppm ASTM D5185(m) >10	<1	<1	0
Nickel	ppm ASTM D5185(m) >5	<1	0	<1
Cadmium	ppm ASTM D5185(m)	0	0	0
Titanium	ppm ASTM D5185(m)	0	<1	<1
Vanadium	ppm ASTM D5185(m)	0	0	0
Lead	ppm ASTM D5185(m) >25	2	2	<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	2	<1
Magnesium	ppm ASTM D5185(m)	5	5	<1
Manganese	ppm ASTM D5185(m)	0	<1	<1
Molybdenum	ppm ASTM D5185(m)	203	253	7
Phosphorus	ppm ASTM D5185(m)	31	43	137
Zinc	ppm ASTM D5185(m)	33	52	113
Antimony	ppm ASTM D5185(m)	18	25	67

THICKENER/SOAP

method	limit/base	current	history1	history2
Aluminum	ppm ASTM D5185(m)	2	2	<1
Barium	ppm ASTM D5185(m)	1	2	1
Calcium	ppm ASTM D5185(m)	77	118	19
Sodium	ppm ASTM D5185(m)	33	34	6
Lithium	ppm ASTM D5185(m)	197	254	215
Sulfur	ppm ASTM D5185(m)	663	740	771

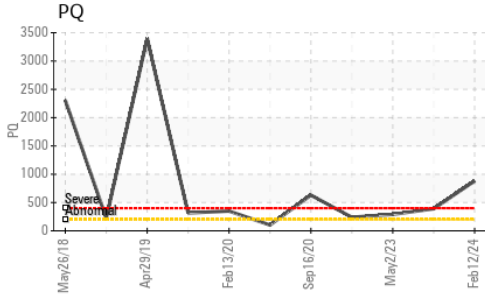
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >150	2	4	1
Potassium	ppm ASTM D5185(m)	3	2	0

GREASE CONDITION

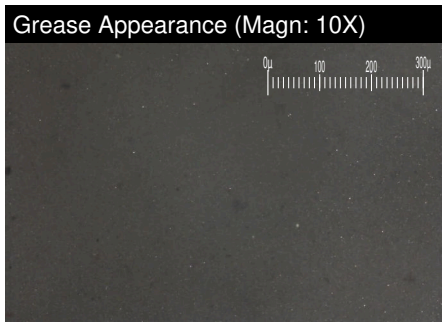
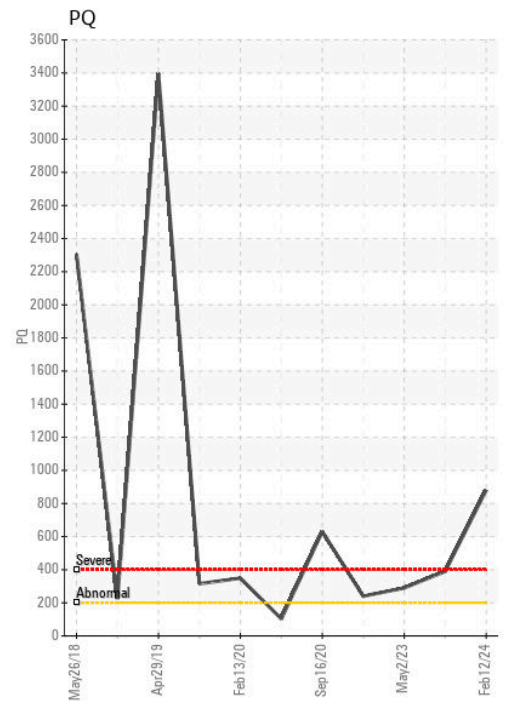
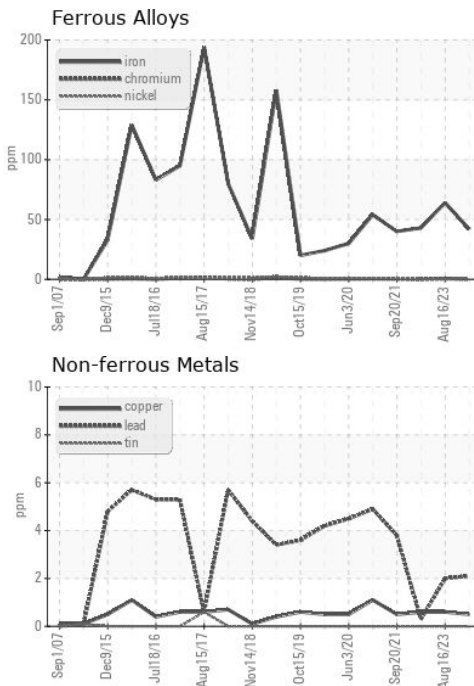
method	limit/base	current	history1	history2
Grease Color	Visual* Brown	Black	Brown	Green
Texture	In-house* Stringy	Stringy	Short fiber	Stringy
NLGI Consistency	NLGI Scale SKF Method* 2	2	2	3

GREASE ANALYSIS



SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					
PrtFilter					

GRAPHS



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC **Received** : 12 Mar 2024
Lab Number : **02621646** **Tested** : 13 Mar 2024
Unique Number : 5746765 **Diagnosed** : 14 Mar 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.

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