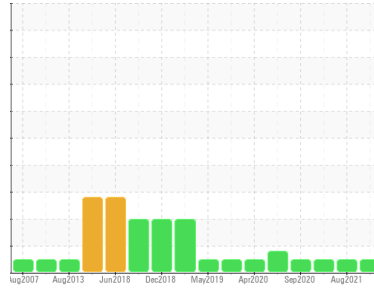


GREASE ANALYSIS

Sample Rating Trend



NORMAL



Area
CRANES
Machine Id
Crane (Fwd) - Slew Brg Grease (S/N Sample Tag MA-04003-FWD)
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	PC0052020	PC0030650	PC0030680
Sample Date	Client Info	10 Feb 2024	02 Aug 2021	09 Mar 2021
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	7098	3837	5617
Iron	ppm ASTM D5185(m) >250	709	655	625
Chromium	ppm ASTM D5185(m) >10	3	2	2
Nickel	ppm ASTM D5185(m) >5	<1	<1	<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	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	<1	<1

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)	<1	2	<1
Magnesium	ppm ASTM D5185(m)	3	5	4
Manganese	ppm ASTM D5185(m)	9	9	8
Molybdenum	ppm ASTM D5185(m)	23	26	24
Phosphorus	ppm ASTM D5185(m)	43	56	63
Zinc	ppm ASTM D5185(m)	59	65	94
Antimony	ppm ASTM D5185(m)	29	36	37

THICKENER/SOAP

method	limit/base	current	history1	history2
Aluminum	ppm ASTM D5185(m)	2	1	1
Barium	ppm ASTM D5185(m)	3	6	3
Calcium	ppm ASTM D5185(m)	49	52	52
Sodium	ppm ASTM D5185(m)	13	22	17
Lithium	ppm ASTM D5185(m)	219	241	256
Sulfur	ppm ASTM D5185(m)	585	675	704

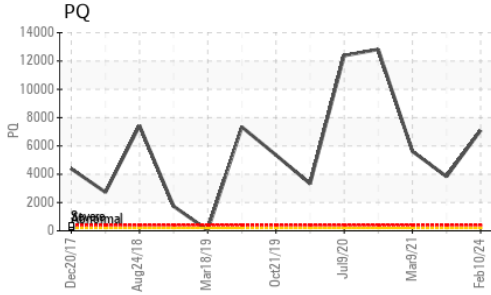
CONTAMINANTS

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

GREASE CONDITION

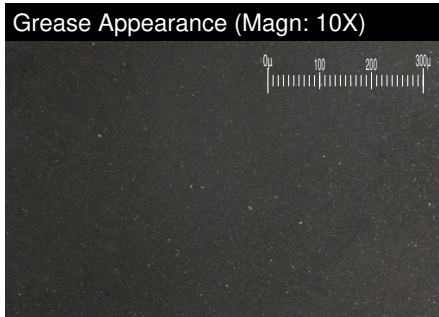
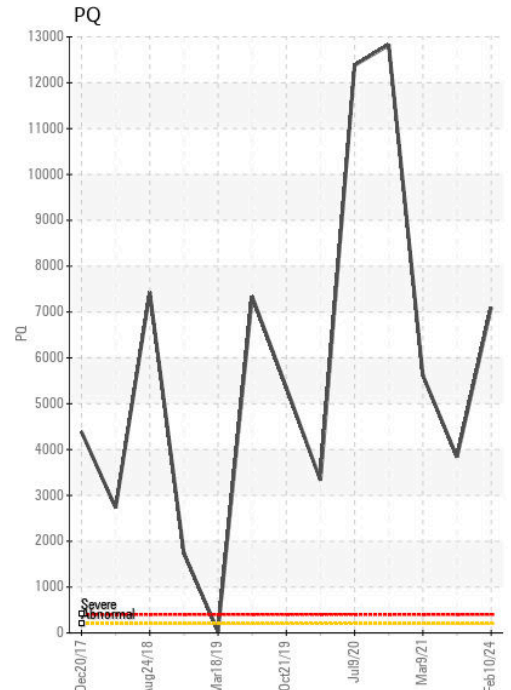
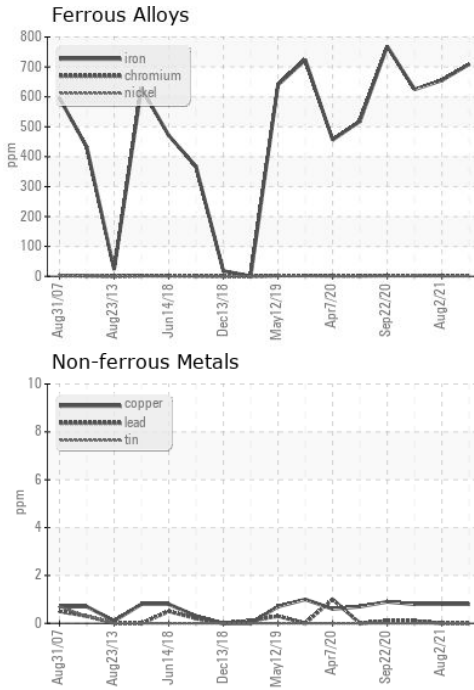
method	limit/base	current	history1	history2	
Grease Color	Visual*	Brown	Black	Brown	Brown
Texture	In-house*	Stringy	Buttery	Long fiber	Short fiber
NLGI Consistency	NLGI Scale SKF Method*	2	1	1-2	1-2

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. : PC0052020 **Received** : 12 Mar 2024
Lab Number : 02621651 **Tested** : 13 Mar 2024
Unique Number : 5746770 **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.

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