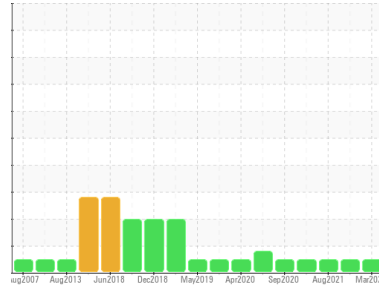


GREASE ANALYSIS

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	PC	PC0052020	PC0030650
Sample Date	Client Info	20 Mar 2024	10 Feb 2024	02 Aug 2021
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	1090	7098	3837	
Iron	ppm	ASTM D5185(m)	>250	77	709	655
Chromium	ppm	ASTM D5185(m)	>10	0	3	2
Nickel	ppm	ASTM D5185(m)	>5	0	<1	<1
Cadmium	ppm	ASTM D5185(m)		0	0	0
Titanium	ppm	ASTM D5185(m)		<1	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Lead	ppm	ASTM D5185(m)	>25	0	0	0
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	<1

ADDITIVES

method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185(m)		<1	<1	2
Magnesium	ppm	ASTM D5185(m)		2	3	5
Manganese	ppm	ASTM D5185(m)		0	9	9
Molybdenum	ppm	ASTM D5185(m)		13	23	26
Phosphorus	ppm	ASTM D5185(m)		110	43	56
Zinc	ppm	ASTM D5185(m)		140	59	65
Antimony	ppm	ASTM D5185(m)		65	29	36

THICKENER/SOAP

method	limit/base	current	history1	history2		
Aluminum	ppm	ASTM D5185(m)		4	2	1
Barium	ppm	ASTM D5185(m)		2	3	6
Calcium	ppm	ASTM D5185(m)		52	49	52
Sodium	ppm	ASTM D5185(m)		8	13	22
Lithium	ppm	ASTM D5185(m)		260	219	241
Sulfur	ppm	ASTM D5185(m)		793	585	675

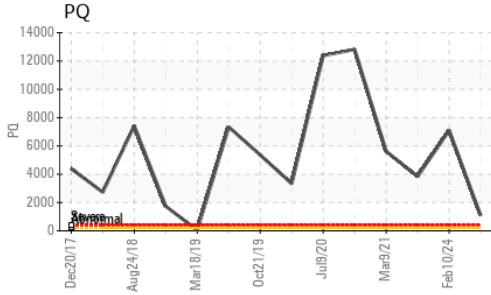
CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185(m)	>150	11	4	4
Potassium	ppm	ASTM D5185(m)		1	2	1

GREASE CONDITION

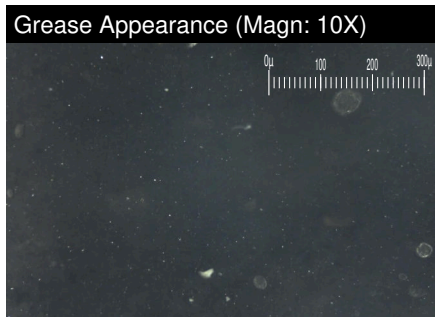
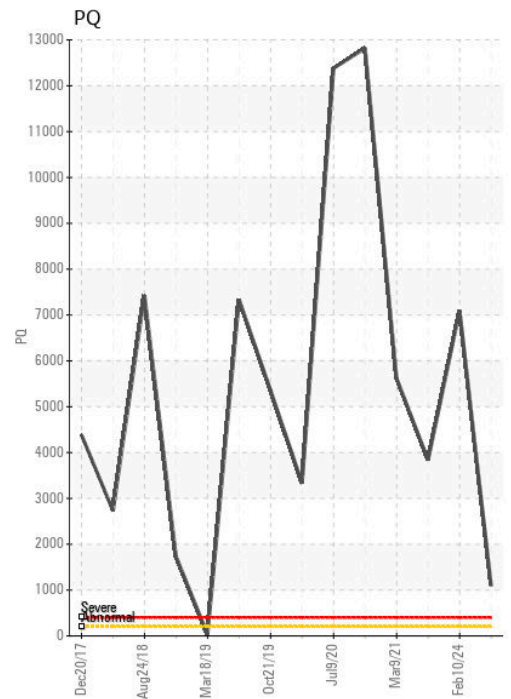
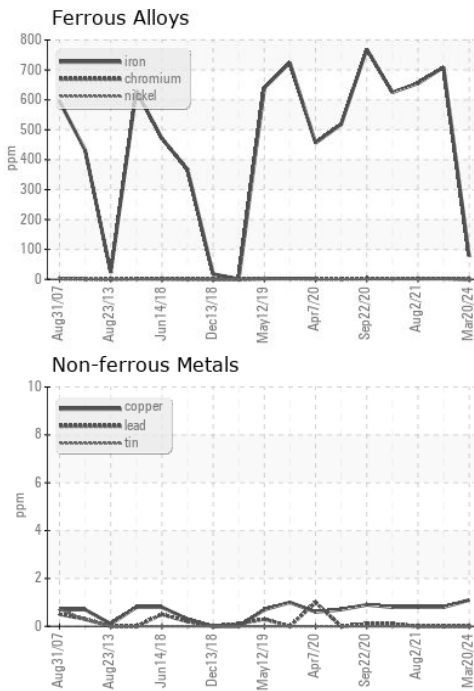
method	limit/base	current	history1	history2		
Grease Color	Visual*	Brown	Brown	Black	Brown	
Texture	In-house*	Stringy	Buttery	Buttery	Long fiber	
NLGI Consistency	NLGI Scale	SKF Method*	2	3	1	1-2

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. : PC
Lab Number : 02626292
Unique Number : 5759424
Test Package : GRS 1 (Additional Tests: BottomAnalysis)

Received : 02 Apr 2024
Tested : 04 Apr 2024
Diagnosed : 04 Apr 2024 - Bill Quesnel

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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