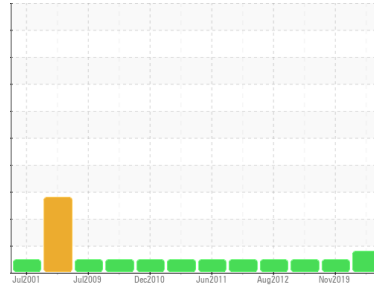


GREASE ANALYSIS

Sample Rating Trend



VISCOSITY



Area
CRANES
Machine Id
Slew Bearing - Aft Crane - Boom
Component
Grease
Fluid
PETRO CANADA MULTIPURPOSE EP 1 GREASE (--- LTR)

DIAGNOSIS

Recommendation

We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Grease Condition

Grease consistency has changed by 1-1/2 NLGI grades from NLGI 1 to 2-3.

Contaminants

There is no indication of any contamination in the grease.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			PC0080138	PC0006283	PC
Sample Date	Client Info			15 Jul 2024	02 Nov 2019	19 Feb 2013
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				MARGINAL	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	180	422	---
Iron	ppm	ASTM D5185(m)	>250	43	30	51
Chromium	ppm	ASTM D5185(m)	>10	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	0	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	1	5	5
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

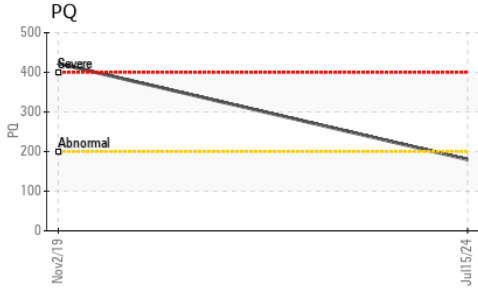
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		1	3	6
Magnesium	ppm	ASTM D5185(m)		5	2	12
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Molybdenum	ppm	ASTM D5185(m)		249	6	4
Phosphorus	ppm	ASTM D5185(m)		35	39	44
Zinc	ppm	ASTM D5185(m)		34	35	71
Antimony	ppm	ASTM D5185(m)		21	20	39

THICKENER/SOAP		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)		1	5	1
Barium	ppm	ASTM D5185(m)		2	4	8
Calcium	ppm	ASTM D5185(m)		90	150	363
Sodium	ppm	ASTM D5185(m)		37	16	69
Lithium	ppm	ASTM D5185(m)		220	165	224
Sulfur	ppm	ASTM D5185(m)		666	631	565

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>150	3	15	2
Potassium	ppm	ASTM D5185(m)		3	1	5

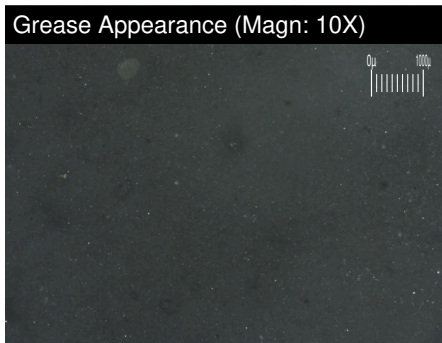
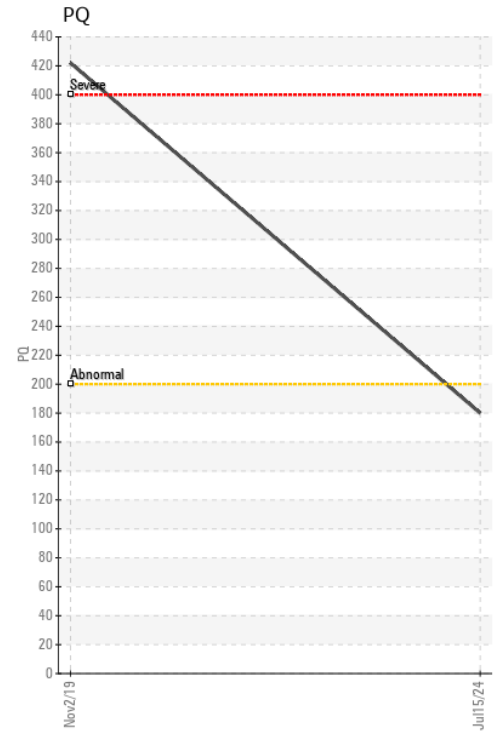
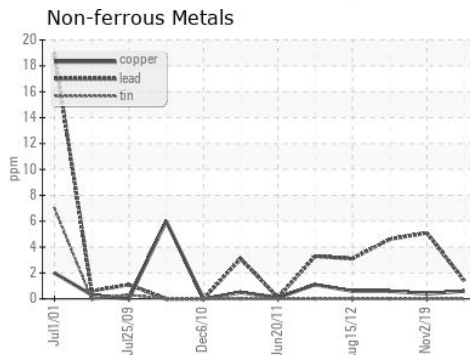
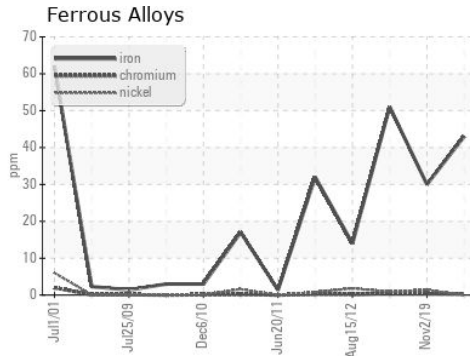
GREASE CONDITION		method	limit/base	current	history1	history2
Grease Color	Visual*		Brown	Black	Tan	---
Texture	In-house*		Stringy	Stringy	Short fiber	---
NLGI Consistency	NLGI Scale	SKF Method*	1	▲ 2-3	0-1	---

GREASE ANALYSIS



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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0080138
Lab Number : 02648276
Unique Number : 5813828
Test Package : GRS 1 (Additional Tests: BottomAnalysis)

Received : 16 Jul 2024
Tested : 17 Jul 2024
Diagnosed : 18 Jul 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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