



GREASE ANALYSIS

WEAR	NORMAL
GREASE CONDITION	NORMAL
CONTAMINANTS	NORMAL

Area
WEST CRANE
Machine Id
170832 GREASE 90 EAST
Component
Grease
Fluid
IRVING LUBEX SYN 2 46 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PP	PP	PP
Sample Date		Client Info		18 Apr 2024	10 Dec 2023	10 Sep 2023
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				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184*	>200	1010	380	190
Iron	ppm	ASTM D5185(m)	>250	43	26	21
Chromium	ppm	ASTM D5185(m)	>10	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Lead	ppm	ASTM D5185(m)	>25	0	<1	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	<1	0

GREASE CONDITION

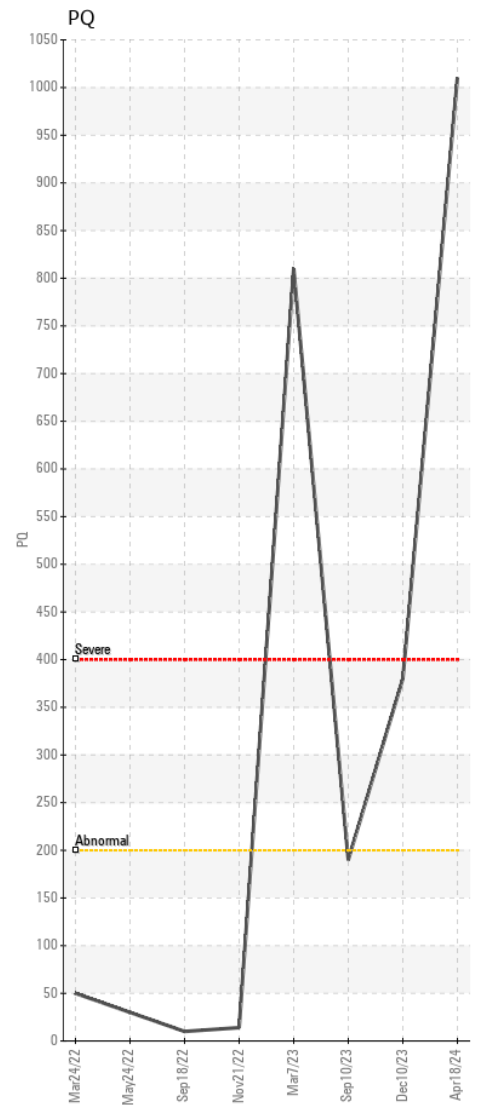
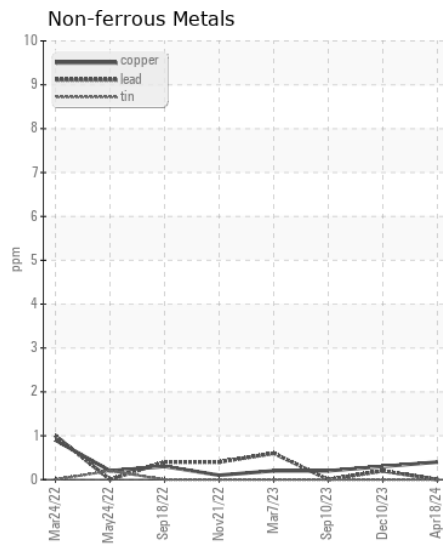
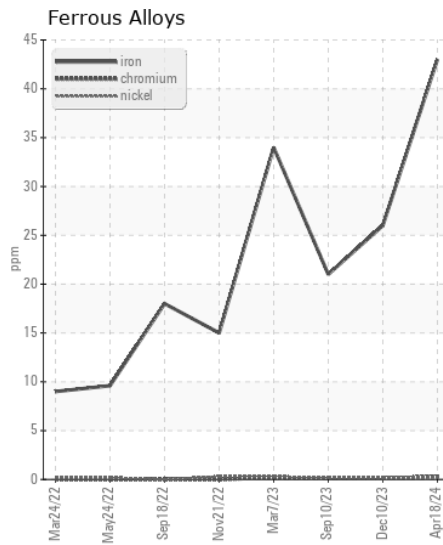
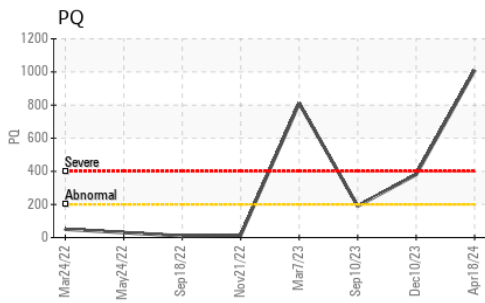
The condition of the grease is acceptable for the time in service.

Boron	ppm	ASTM D5185(m)		10	10	6
Magnesium	ppm	ASTM D5185(m)		24	14	12
Manganese	ppm	ASTM D5185(m)		<1	0	<1
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Phosphorus	ppm	ASTM D5185(m)		204	140	129
Zinc	ppm	ASTM D5185(m)		182	205	122
Aluminum	ppm	ASTM D5185(m)		6	6	4
Barium	ppm	ASTM D5185(m)		<1	<1	<1
Calcium	ppm	ASTM D5185(m)		4492	2589	2286
Sodium	ppm	ASTM D5185(m)		41	30	17
Lithium	ppm	ASTM D5185(m)		121	157	81
Sulfur	ppm	ASTM D5185(m)		963	949	667
Grease Color		Visual*	Tan/Beige	Tan	Tan	Grey
Texture		In-house*		Buttery	Buttery	Buttery
NLGI Consistency	NLGI Scale	SKF Method*	2	2	2	1-2

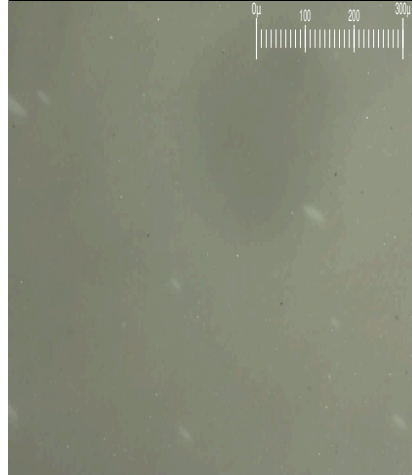
CONTAMINANTS

There is no indication of any contamination in the grease.

Water		WC Method	>0.1	NEG	NEG	NEG
Silicon	ppm	ASTM D5185(m)	>150	11	12	6
Potassium	ppm	ASTM D5185(m)		3	<1	1



Grease Appearance (Magn: 10X)



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PP
Lab Number : 02630419
Unique Number : 5763551
Test Package : GRS 1 (Additional Tests: BottomAnalysis)

Received : 19 Apr 2024
Tested : 25 Apr 2024
Diagnosed : 25 Apr 2024 - Bill Quesnel

HIBERNIA MGMT & DEVELOPMENT CO. LTD
 SUITE 1000,, 100 NEW GOWER STREET
 ST.JOHN'S, NL
 CA A1C 6K3
 Contact: Sam Nash
 samantha.m.nash@exxonmobil.com

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.

T:
 F: (709)722-3766