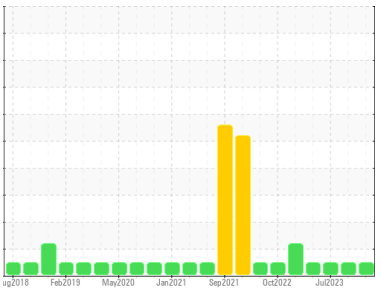
GREASE ANALYSIS

Sample Rating Trend



NORMAL

Area
Materials Handling/NE Pedestal Crane
Machine Id
WPD471231 CRANE PEDESTAL NORTH EAST
Component
270° Grease
Fluid
MOBIL MOBILGREASE XHP 222 (--- GAL)

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		**PP13994630**	PP	PP13897519
Sample Date		Client Info		**26 May 2024**	27 Mar 2024	01 Jul 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

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	**280**	0	10
Iron	ppm	ASTM D5185(m)	>250	**43**	3	2
Chromium	ppm	ASTM D5185(m)	>10	**0**	0	0
Nickel	ppm	ASTM D5185(m)	>5	**0**	0	0
Cadmium	ppm	ASTM D5185(m)		**0**	0	0
Titanium	ppm	ASTM D5185(m)		**<1**	0	0
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	0

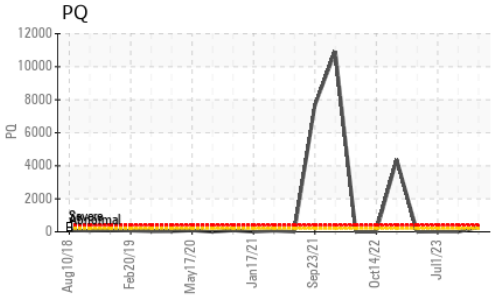
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		**12**	7	6
Magnesium	ppm	ASTM D5185(m)		**8**	2	2
Manganese	ppm	ASTM D5185(m)		**1**	0	0
Molybdenum	ppm	ASTM D5185(m)		**4**	3	4
Phosphorus	ppm	ASTM D5185(m)		**114**	119	119
Zinc	ppm	ASTM D5185(m)		**213**	198	184
Antimony	ppm	ASTM D5185(m)		**10**	6	6

THICKENER/SOAP		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)		**<1**	0	<1
Barium	ppm	ASTM D5185(m)		**2**	<1	<1
Calcium	ppm	ASTM D5185(m)		**26**	7	6
Sodium	ppm	ASTM D5185(m)		**44**	14	8
Lithium	ppm	ASTM D5185(m)		**212**	210	191
Sulfur	ppm	ASTM D5185(m)		**739**	776	687

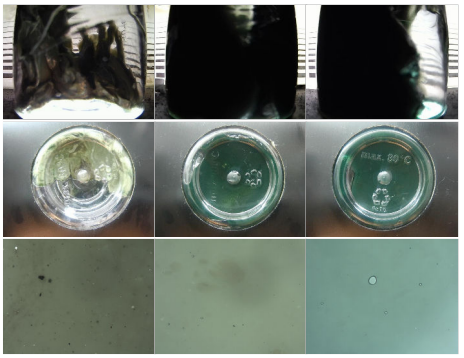
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>150	**<1**	0	<1
Potassium	ppm	ASTM D5185(m)		**2**	<1	<1

GREASE CONDITION		method	limit/base	current	history1	history2
Grease Color		Visual*	Dk Blue	**Green**	Green	Green
Texture		In-house*		**Buttery**	Short fiber	Short fiber
NLGI Consistency	NLGI Scale	SKF Method*	2	**2**	1-2	2

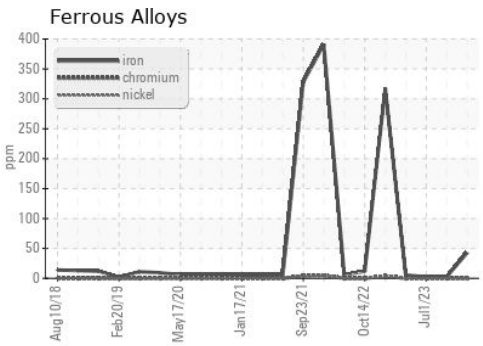
GREASE ANALYSIS

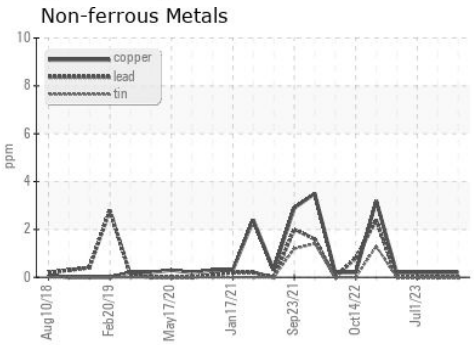


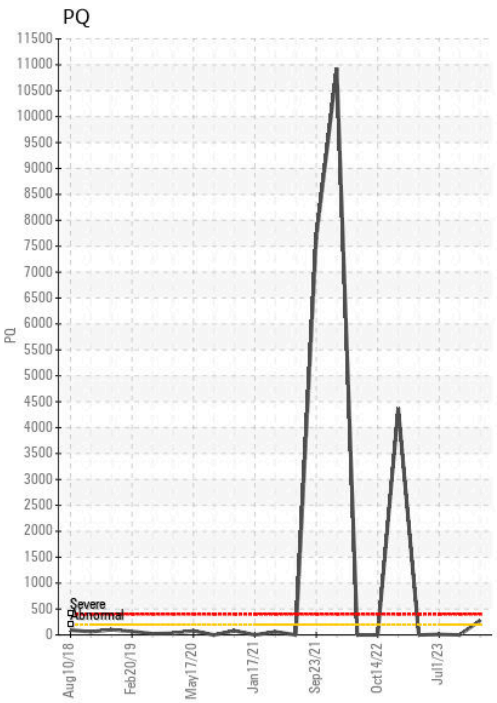
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					
PrtFilter					



GRAPHS







Grease Appearance (Magn: 10X)

ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PP13994630
Lab Number : 02641883
Unique Number : 5799422
Test Package : GRS 1 (Additional Tests: BottomAnalysis)

Received : 13 Jun 2024
Tested : 24 Jun 2024
Diagnosed : 24 Jun 2024 - Bill Quesnel

ExxonMobil Canada East Ltd.
Hebron-Materials and Repair Coordin, Suite 1000, 100 New Gow
St. John`s, NL
CA A1C 6K3
Contact: Liam Maher
liam.m.maher@exxonmobil.com
T: (709)273-3729
F:

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.