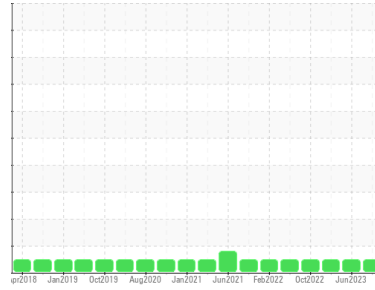




# GREASE ANALYSIS

Sample Rating Trend

**NORMAL**



Area  
**Materials Handling/SW Pedestal Crane**  
 Machine Id  
**WPD471201 CRANE PEDESTAL SOUTH WEST**

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	<b>PP</b>	PP13900049	PP
Sample Date	Client Info	<b>27 Mar 2024</b>	27 Jun 2023	25 May 2023
Machine Age	hrs	<b>0</b>	0	0
Grease Age	hrs	<b>0</b>	0	0
Grease Serviced	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	<b>NEG</b>	NEG	NEG

## WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184* >200	<b>690</b>	31	260
Iron	ppm ASTM D5185(m) >250	<b>43</b>	35	32
Chromium	ppm ASTM D5185(m) >10	<b>&lt;1</b>	<1	0
Nickel	ppm ASTM D5185(m) >5	<b>&lt;1</b>	0	<1
Cadmium	ppm ASTM D5185(m)	<b>0</b>	<1	0
Titanium	ppm ASTM D5185(m)	<b>&lt;1</b>	0	0
Vanadium	ppm ASTM D5185(m)	<b>0</b>	0	0
Lead	ppm ASTM D5185(m) >25	<b>0</b>	2	0
Copper	ppm ASTM D5185(m) >75	<b>&lt;1</b>	<1	0
Tin	ppm ASTM D5185(m) >5	<b>0</b>	0	0
Silver	ppm ASTM D5185(m) >5	<b>0</b>	<1	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)	<b>7</b>	8	8
Magnesium	ppm ASTM D5185(m)	<b>2</b>	<1	0
Manganese	ppm ASTM D5185(m)	<b>0</b>	<1	<1
Molybdenum	ppm ASTM D5185(m)	<b>19</b>	25	23
Phosphorus	ppm ASTM D5185(m)	<b>145</b>	160	158
Zinc	ppm ASTM D5185(m)	<b>209</b>	223	219
Antimony	ppm ASTM D5185(m)	<b>16</b>	11	8

## THICKENER/SOAP

method	limit/base	current	history1	history2
Aluminum	ppm ASTM D5185(m)	<b>&lt;1</b>	<1	<1
Barium	ppm ASTM D5185(m)	<b>&lt;1</b>	<1	0
Calcium	ppm ASTM D5185(m)	<b>47</b>	10	5
Sodium	ppm ASTM D5185(m)	<b>14</b>	3	2
Lithium	ppm ASTM D5185(m)	<b>230</b>	228	204
Sulfur	ppm ASTM D5185(m)	<b>832</b>	841	873

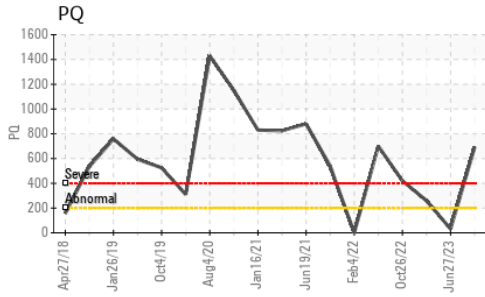
## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >150	<b>&lt;1</b>	<1	<1
Potassium	ppm ASTM D5185(m)	<b>1</b>	<1	<1

## GREASE CONDITION

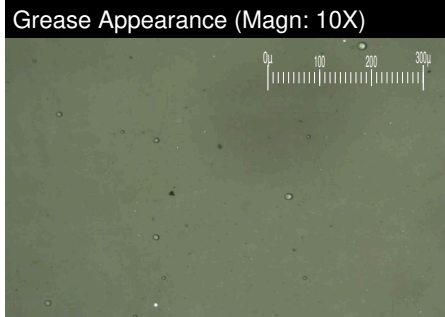
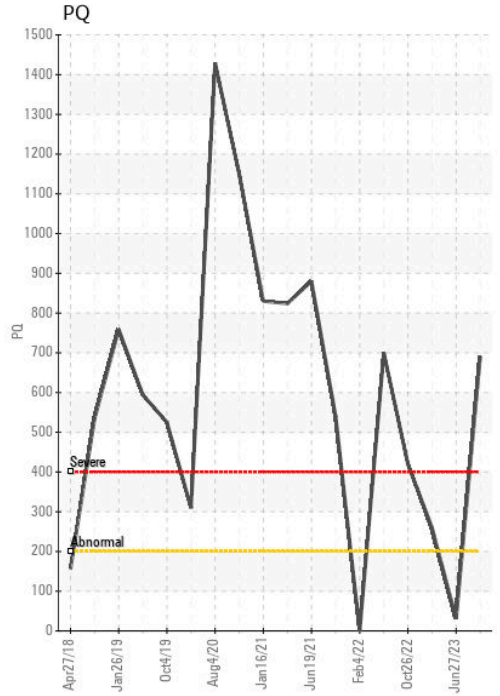
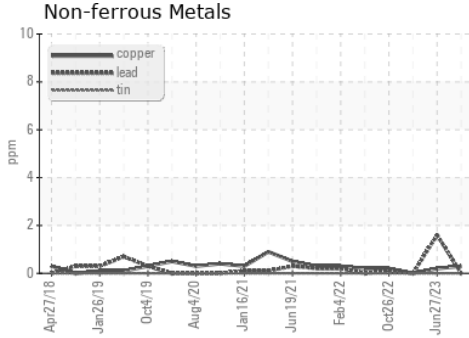
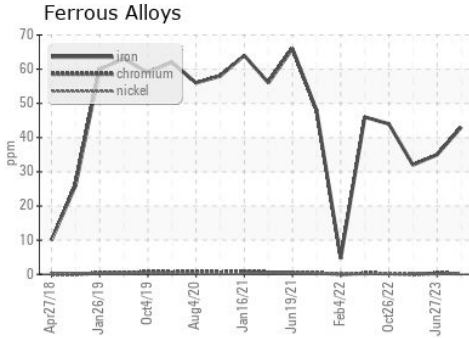
method	limit/base	current	history1	history2
Grease Color	Visual* Dk Blue	<b>Green</b>	Green	Green
Texture	In-house*	<b>Short fiber</b>	Short fiber	Buttery
NLGI Consistency	NLGI Scale SKF Method* 2	<b>1</b>	2	1-2

# GREASE ANALYSIS



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

## GRAPHS



**CALA**  
ACCREDITED LABORATORY  
 ISO 17025:2017  
 Accredited Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PP  
**Lab Number** : 02625485  
**Unique Number** : 5750604  
**Test Package** : GRS 1 ( Additional Tests: BottomAnalysis )  
**Received** : 28 Mar 2024  
**Tested** : 03 Apr 2024  
**Diagnosed** : 03 Apr 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.*