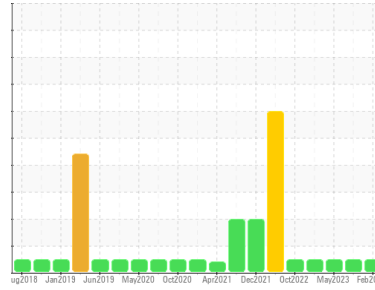




# GREASE ANALYSIS

Sample Rating Trend



**NORMAL**



Area  
**Materials Handling/SE Pedestal Crane**  
 Machine Id  
**WPD471261 CRANE PEDESTAL SOUTH EAST**

Component  
**180° 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>PP13961812</b>	PP13897520	PP13890909
Sample Date	Client Info	<b>16 Feb 2024</b>	01 Jul 2023	03 May 2023
Machine Age	hrs	Client Info	0	0
Grease Age	hrs	Client Info	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>60</b>	17	40	
Iron	ppm	ASTM D5185(m)	>250	<b>10</b>	10	26
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	0	<1
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Lead	ppm	ASTM D5185(m)	>25	<b>4</b>	0	<1
Copper	ppm	ASTM D5185(m)	>75	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185(m)		<b>10</b>	9	3
Magnesium	ppm	ASTM D5185(m)		<b>2</b>	1	4
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185(m)		<b>59</b>	49	13
Phosphorus	ppm	ASTM D5185(m)		<b>101</b>	115	74
Zinc	ppm	ASTM D5185(m)		<b>188</b>	191	148
Antimony	ppm	ASTM D5185(m)		<b>9</b>	9	7

## 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	<1
Calcium	ppm	ASTM D5185(m)		<b>19</b>	19	82
Sodium	ppm	ASTM D5185(m)		<b>11</b>	5	12
Lithium	ppm	ASTM D5185(m)		<b>224</b>	209	149
Sulfur	ppm	ASTM D5185(m)		<b>755</b>	737	736

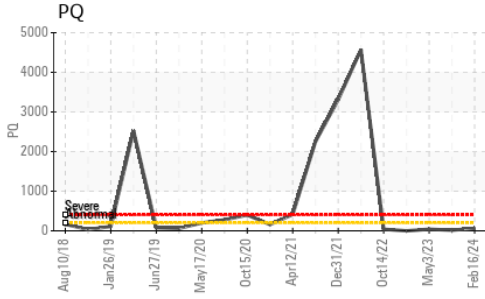
## CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185(m)	>150	<b>0</b>	<1	<1
Potassium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

## GREASE CONDITION

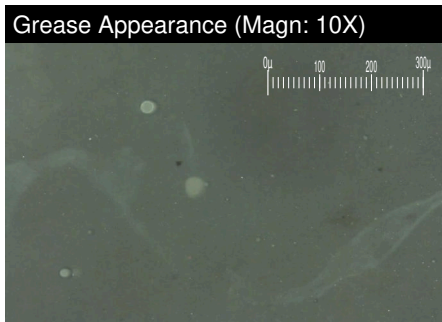
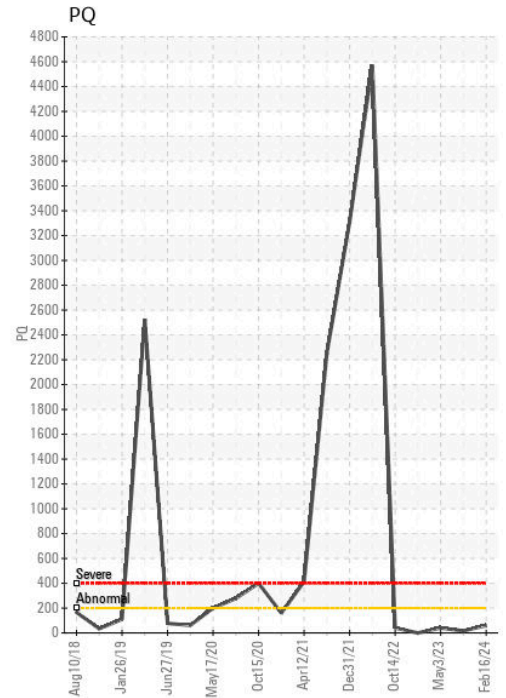
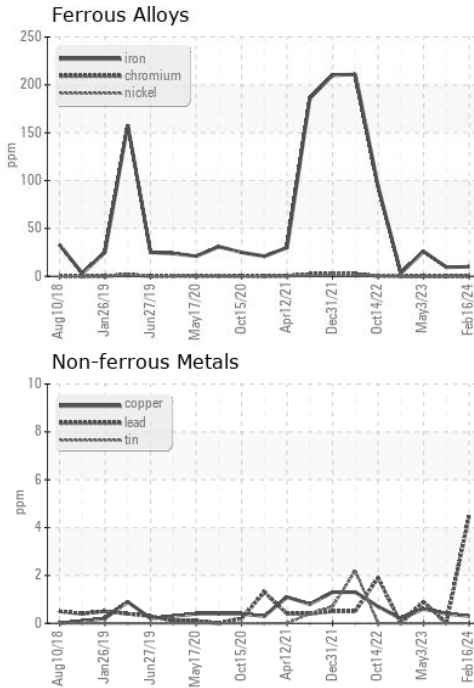
method	limit/base	current	history1	history2	
Grease Color	Visual*	Dk Blue	<b>Green</b>	Green	Brown
Texture	In-house*		<b>Short fiber</b>	Short fiber	Buttery
NLGI Consistency	NLGI Scale	SKF Method* 2	<b>1-2</b>	1-2	2-3

# GREASE ANALYSIS



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

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PP13961812  
**Lab Number** : 02625489  
**Unique Number** : 5750608  
**Test Package** : GRS 1 ( Additional Tests: BottomAnalysis )

**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.