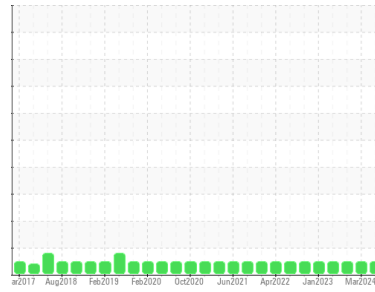




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**Materials Handling/NE Pedestal Crane**  
 Machine Id  
**WPD471231 CRANE PEDESTAL NORTH EAST**  
 Component  
**Auxiliary Drive**  
 Fluid  
**MOBIL MOBILUBE HD 80W90 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.  
 NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

### Wear

All component wear rates are normal.

### Contamination

The water content is negligible. There is no indication of any contamination in the oil.

### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

## SAMPLE INFORMATION

Sample Number	Client Info	method	limit/base	current	history1	history2
Sample Number	Client Info			<b>PP13994630</b>	PP	PP13897519
Sample Date	Client Info			<b>26 May 2024</b>	27 Mar 2024	01 Jul 2023
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed	Client Info			<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		<b>39</b>	4	11
Iron	ppm	ASTM D5185(m) >200	<b>59</b>	23	13
Chromium	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185(m) >10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185(m)	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185(m)	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	<b>1</b>	<1	0
Tin	ppm	ASTM D5185(m)	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m) >5	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<b>166</b>	174	176
Barium	ppm	ASTM D5185(m)	<b>1</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185(m)	<b>1</b>	0	<1
Magnesium	ppm	ASTM D5185(m)	<b>3</b>	2	1
Calcium	ppm	ASTM D5185(m)	<b>38</b>	25	6
Phosphorus	ppm	ASTM D5185(m)	<b>999</b>	1001	1066
Zinc	ppm	ASTM D5185(m)	<b>26</b>	14	13
Sulfur	ppm	ASTM D5185(m)	<b>24689</b>	24857	23265
Lithium	ppm	ASTM D5185(m)	<b>2</b>	2	3

## CONTAMINANTS

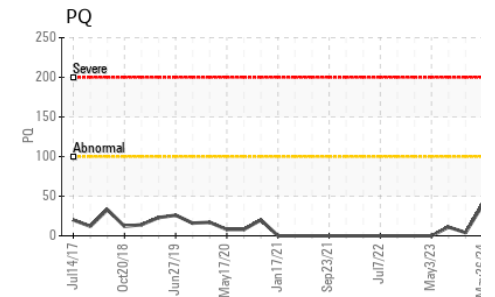
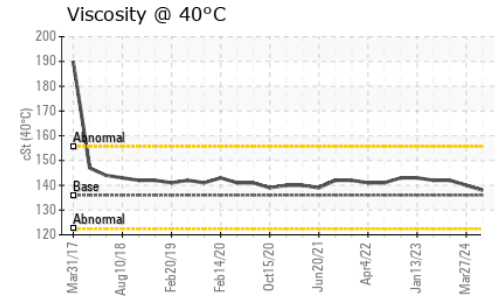
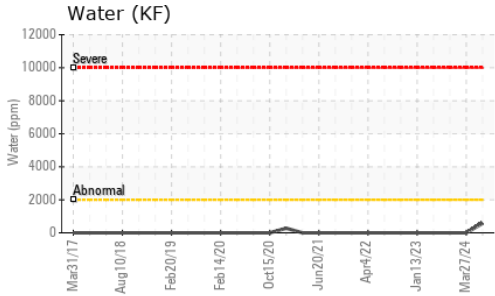
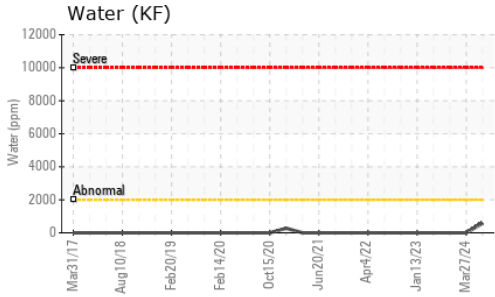
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<b>1</b>	0	3
Sodium	ppm	ASTM D5185(m)	<b>4</b>	2	1
Potassium	ppm	ASTM D5185(m) >20	<b>1</b>	1	<1
Water	%	ASTM D6304* >0.2	<b>0.057</b>	---	---
ppm Water	ppm	ASTM D6304* >2000	<b>579</b>	---	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	<b>1.46</b>	1.54	1.43



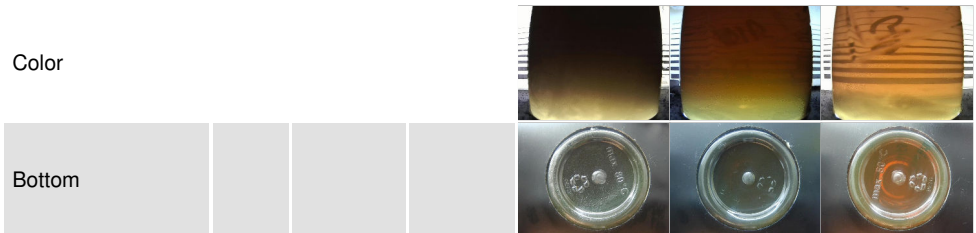
# OIL ANALYSIS REPORT



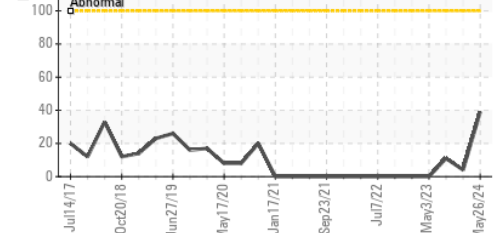
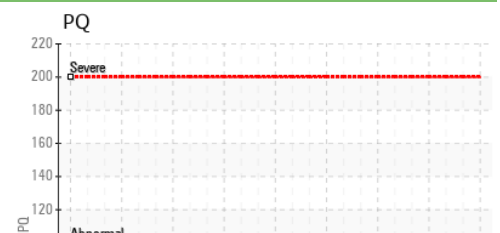
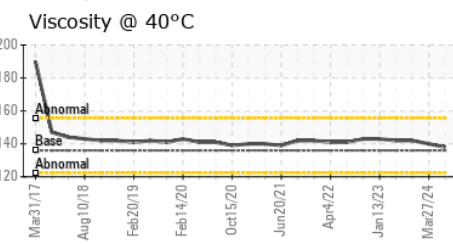
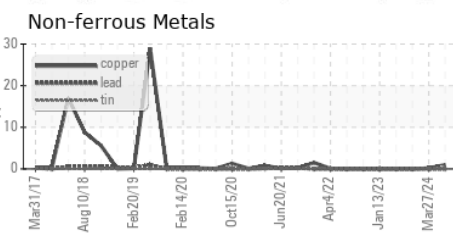
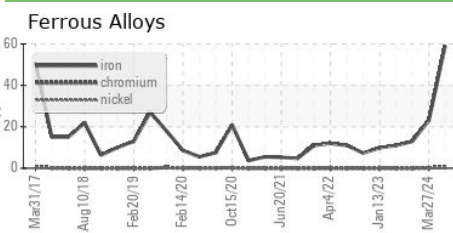
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>LIGHT</b>	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE
Silt	scalar	Visual*	NONE	<b>VLITE</b>	VLITE
Debris	scalar	Visual*	NONE	<b>NONE</b>	VLITE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML
Emulsified Water	scalar	Visual*	>0.2	<b>1%</b>	NEG
Free Water	scalar	Visual*		<b>NEG</b>	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	136	<b>138</b>	140

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PP13994630 **Received** : 13 Jun 2024  
**Lab Number** : **02641831** **Tested** : 14 Jun 2024  
**Unique Number** : 5799370 **Diagnosed** : 14 Jun 2024 - Wes Davis  
**Test Package** : MAR 2 ( Additional Tests: KF, TAN Man )

**ExxonMobil Canada East Ltd.**  
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 St. John's, NL  
 CA A1C 6K3  
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 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.