



# OIL ANALYSIS REPORT

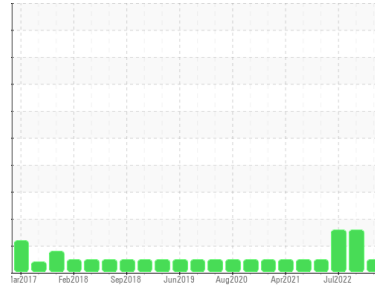
Sample Rating Trend

**NORMAL**



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

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

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

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PP</b>	PP13786970	PP13755937
Sample Date	Client Info		<b>25 May 2023</b>	24 Dec 2022	07 Jul 2022
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>	ATTENTION	ATTENTION

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		<b>0</b>	24	29
Iron	ppm	ASTM D5185(m) >200	<b>24</b>	70	54
Chromium	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m) >10	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)	<b>0</b>	<1	<1
Silver	ppm	ASTM D5185(m)	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185(m)	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185(m)	<b>0</b>	<1	<1
Tin	ppm	ASTM D5185(m)	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m) >5	<b>0</b>	<1	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>150</b>	▲ 15	▲ 12
Barium	ppm	ASTM D5185(m)	<b>0</b>	<1	<1
Molybdenum	ppm	ASTM D5185(m)	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)	<b>&lt;1</b>	1	1
Magnesium	ppm	ASTM D5185(m)	<b>0</b>	1	1
Calcium	ppm	ASTM D5185(m)	<b>6</b>	21	▲ 30
Phosphorus	ppm	ASTM D5185(m)	<b>1078</b>	▲ 721	▲ 698
Zinc	ppm	ASTM D5185(m)	<b>13</b>	▲ 40	32
Sulfur	ppm	ASTM D5185(m)	<b>21192</b>	▲ 15251	▲ 16205
Lithium	ppm	ASTM D5185(m)	<b>2</b>	3	2

## CONTAMINANTS

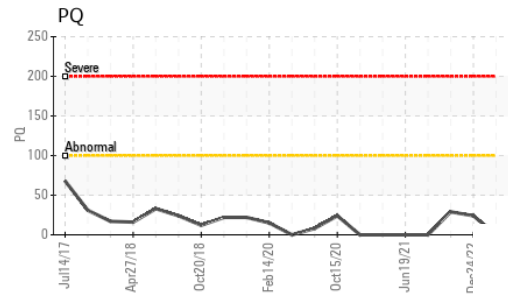
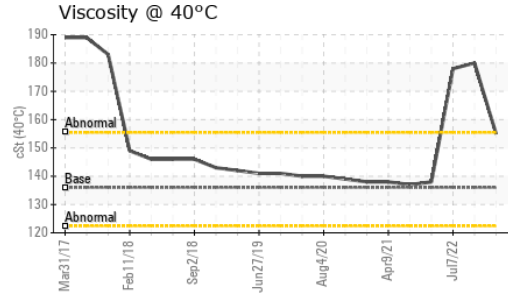
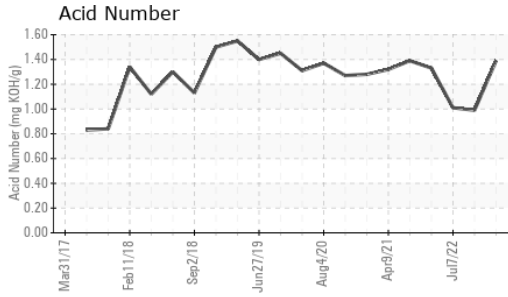
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<b>1</b>	2	2
Sodium	ppm	ASTM D5185(m)	<b>&lt;1</b>	3	3
Potassium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	1	2

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	<b>1.39</b>	0.99	1.01



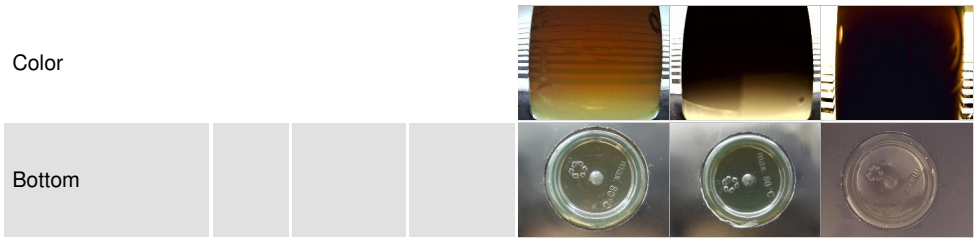
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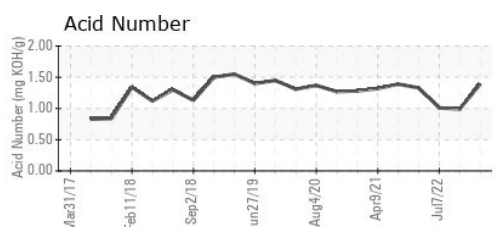
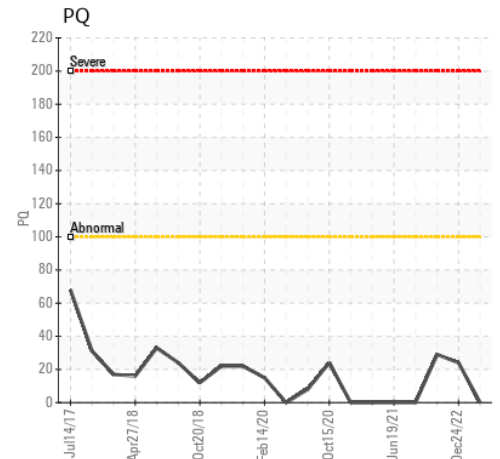
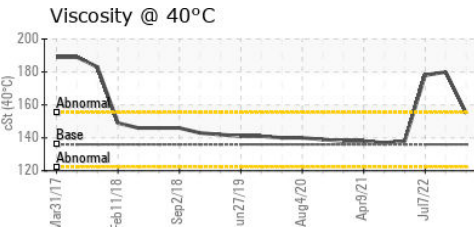
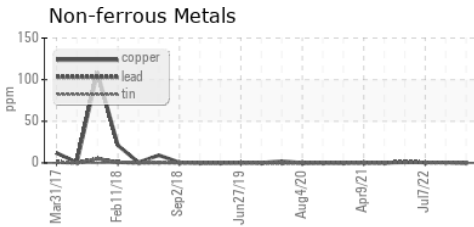
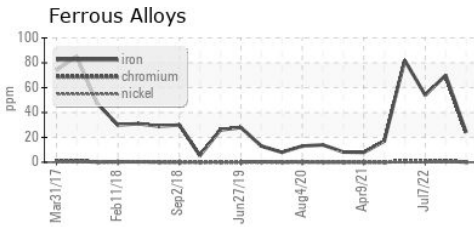
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	136	155	180

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.** : PP  
**Lab Number** : 02559945  
**Unique Number** : 5580985  
**Test Package** : MAR 2 ( Additional Tests: TAN Man )  
**Received** : 26 May 2023  
**Diagnosed** : 26 May 2023  
**Diagnostician** : Wes Davis

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