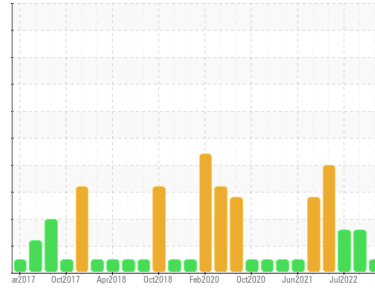




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



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

Component
Auxiliary Brake
 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. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PP	PP13786970	PP13755937
Sample Date	Client Info		25 May 2023	24 Dec 2022	07 Jul 2022
Machine Age	hrs	Client Info	0	0	0
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			NORMAL	ATTENTION	ATTENTION

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		2	8	15
Iron	ppm	ASTM D5185(m) >350	13	26	21
Chromium	ppm	ASTM D5185(m) >5	0	0	0
Nickel	ppm	ASTM D5185(m) >5	<1	<1	0
Titanium	ppm	ASTM D5185(m)	0	0	0
Silver	ppm	ASTM D5185(m)	0	0	0
Aluminum	ppm	ASTM D5185(m) >8	0	<1	<1
Lead	ppm	ASTM D5185(m) >10	3	4	6
Copper	ppm	ASTM D5185(m) >150	94	77	137
Tin	ppm	ASTM D5185(m) >5	1	4	4
Antimony	ppm	ASTM D5185(m) >5	0	<1	<1
Vanadium	ppm	ASTM D5185(m)	0	0	0
Beryllium	ppm	ASTM D5185(m)	0	0	0
Cadmium	ppm	ASTM D5185(m)	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	131	▲ 8	▲ 8
Barium	ppm	ASTM D5185(m)	0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	0
Manganese	ppm	ASTM D5185(m)	<1	2	2
Magnesium	ppm	ASTM D5185(m)	0	1	1
Calcium	ppm	ASTM D5185(m)	3	21	23
Phosphorus	ppm	ASTM D5185(m)	1049	▲ 701	▲ 660
Zinc	ppm	ASTM D5185(m)	26	▲ 89	▲ 75
Sulfur	ppm	ASTM D5185(m)	22250	▲ 15211	▲ 15354
Lithium	ppm	ASTM D5185(m)	2	3	3

CONTAMINANTS

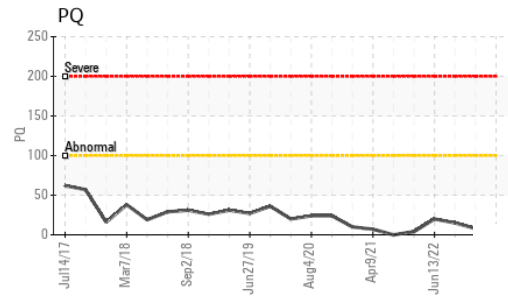
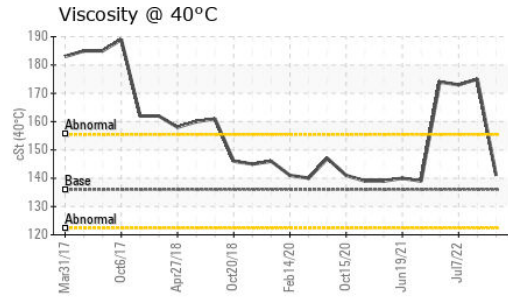
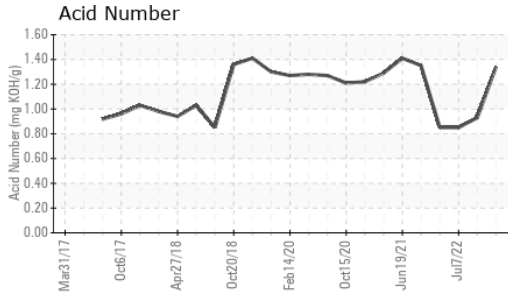
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >400	1	2	4
Sodium	ppm	ASTM D5185(m)	1	4	3
Potassium	ppm	ASTM D5185(m) >20	<1	<1	1

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	1.34	0.93	0.85



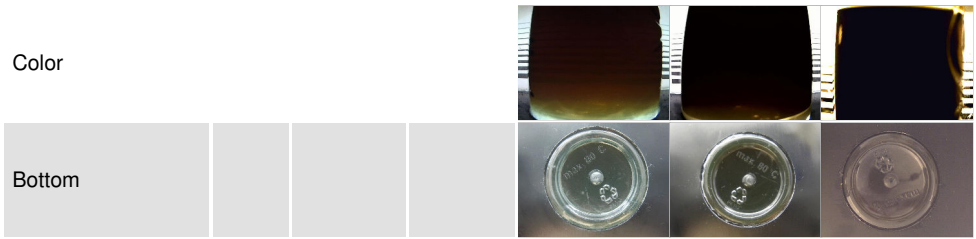
OIL ANALYSIS REPORT



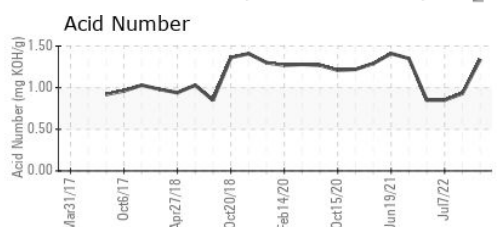
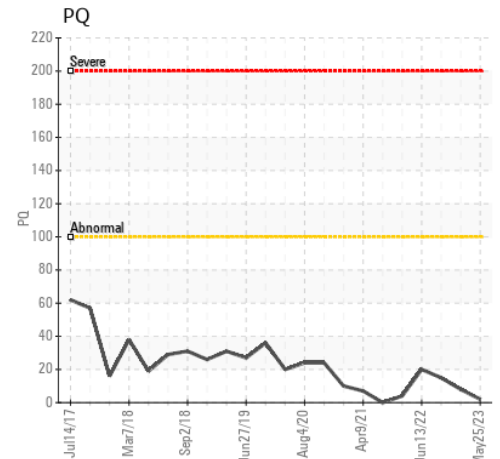
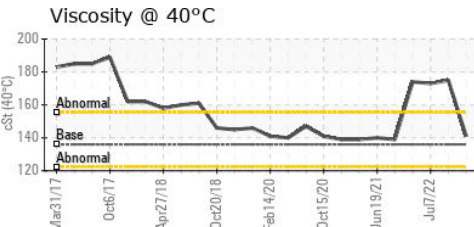
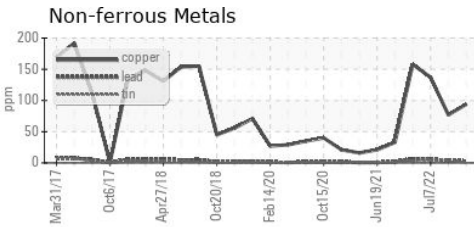
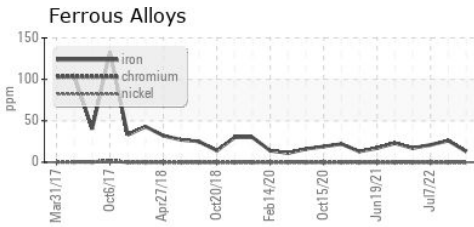
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	VLITE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	VLITE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	VLITE	NONE
Appearance	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	141	175

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 : 02559914
 Unique Number : 5580954
 Test Package : MAR 2 (Additional Tests: TAN Man)

ExxonMobil Canada East Ltd.
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 St. John's, NL
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 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.