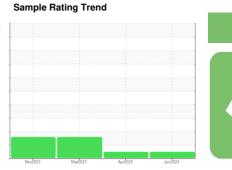


# **OIL ANALYSIS REPORT**

# **EAST CRANE** 170831 LUFFING BRAKE

**Luffing Brake** 

{not provided} (--- GAL)





### DIAGNOSIS

#### Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. 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. Please specify the brand, type, and viscosity of the oil on your next sample.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the fluid.

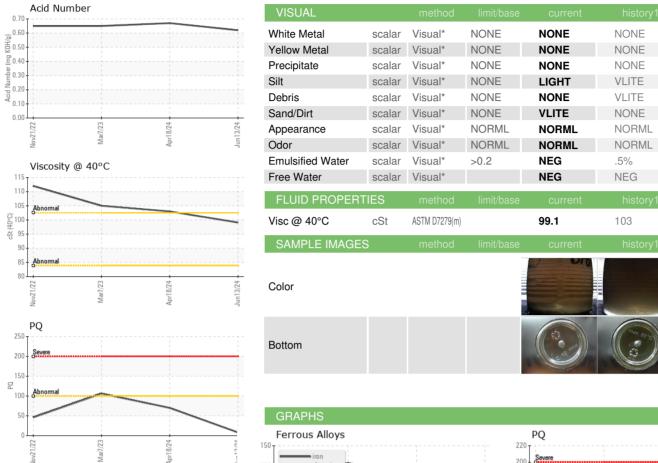
## **Fluid Condition**

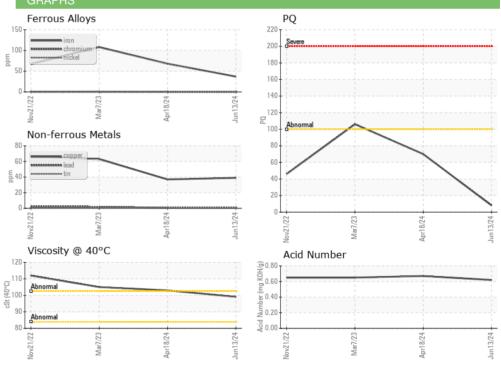
The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PP	PP	PP
Sample Date		Client Info		13 Jun 2024	18 Apr 2024	07 Mar 2023
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	NORMAL	ABNORMAL
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		8	70	106
Iron	ppm	ASTM D5185(m)	>350	37	68	108
Chromium	ppm	ASTM D5185(m)	>5	0	0	<1
Nickel	ppm	ASTM D5185(m)	>5	0	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>8	0	0	<1
Lead	ppm	ASTM D5185(m)	>10	<1	<1	2
Copper	ppm	ASTM D5185(m)	>150	39	37	63
Tin	ppm	ASTM D5185(m)	>5	<1	<1	1
Antimony	ppm	ASTM D5185(m)	>5	0	0	<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)		4	4	4
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		<1	<1	1
Magnesium	ppm	ASTM D5185(m)		1	2	3
Calcium	ppm	ASTM D5185(m)		3	7	6
Phosphorus	ppm	ASTM D5185(m)		256	257	284
Zinc	ppm	ASTM D5185(m)		9	20	18
Sulfur	ppm	ASTM D5185(m)		18680	18468	18734
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>400	<1	0	1
Sodium	ppm	ASTM D5185(m)		3	<1	2
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	0
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		0.62	0.67	0.65



## **OIL ANALYSIS REPORT**







CALA ISO 17025:2017 Accredited Laboratory

Laboratory

Sample No. Lab Number Test Package : IND 2 (Additional Tests: TAN Man)

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

Unique Number : 5799683

: PP : 02642144

Received **Tested** 

: 14 Jun 2024 : 18 Jun 2024 Diagnosed

: 18 Jun 2024 - Kevin Marson

**HIBERNIA MGMT & DEVELOPMENT CO. LTD** SUITE 1000,, 100 NEW GOWER STREET ST.JOHNS, NL **CA A1C 6K3** 

Contact: Sam Nash samantha.m.nash@exxonmobil.com T:

F: (709)722-3766

NONE

NONE

VLITE

NONE

NONE

VLITE

NORML

NORML

.2%

1%

105

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.