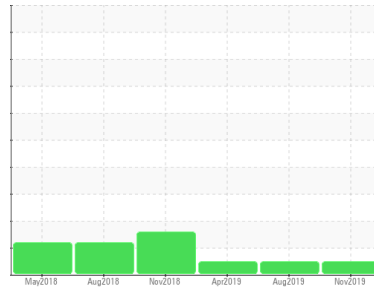




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

**BUILDING 46 - GRAIN ELEVATOR [126132]**

Machine Id

**B46 PULL EXHAUSTER GEAR BOX (S/N 46EXH1)**

Component

**Blower**

Fluid

**LUBRICATION ENG DUOLEC 1604 ISO 150 (60 LTR)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry updates.

### 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>WC0386000</b>	WC0308540	WC0301910
Sample Date	Client Info		<b>27 Nov 2019</b>	14 Aug 2019	10 Apr 2019
Machine Age	mths	Client Info	<b>0</b>	0	0
Oil Age	mths	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

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method		<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		<b>0</b>	9	6
Iron	ppm	ASTM D5185(m) >20	<b>8</b>	14	8
Chromium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	1	0
Nickel	ppm	ASTM D5185(m) >20	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	1	<1
Lead	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	11	11
Copper	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	1	<1
Tin	ppm	ASTM D5185(m) >20	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m)	<b>&lt;1</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	<1

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<b>14</b>	46	37
Barium	ppm	ASTM D5185(m)	<b>&lt;1</b>	1	2
Molybdenum	ppm	ASTM D5185(m)	<b>0</b>	<1	0
Manganese	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	<b>&lt;1</b>	2	<1
Calcium	ppm	ASTM D5185(m)	<b>&lt;1</b>	6	8
Phosphorus	ppm	ASTM D5185(m)	<b>482</b>	961	856
Zinc	ppm	ASTM D5185(m)	<b>10</b>	42	20
Sulfur	ppm	ASTM D5185(m)	<b>15060</b>	14427	15333
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

## CONTAMINANTS

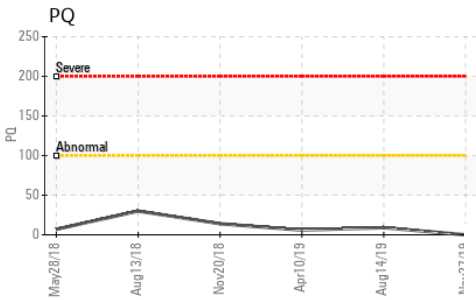
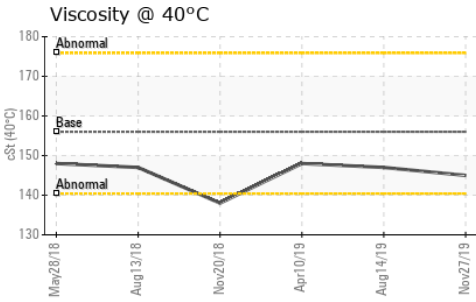
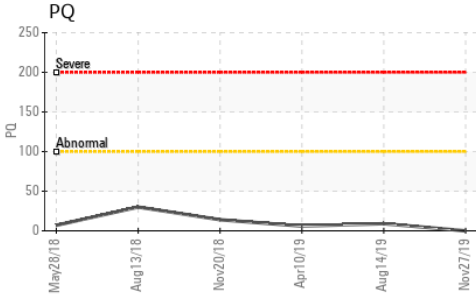
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >15	<b>8</b>	8	14
Sodium	ppm	ASTM D5185(m)	<b>&lt;1</b>	2	5
Potassium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	<1	1

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	<b>1.44</b>	2.09	1.80



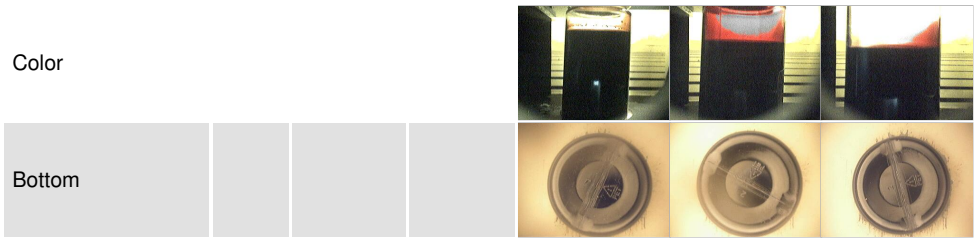
# OIL ANALYSIS REPORT



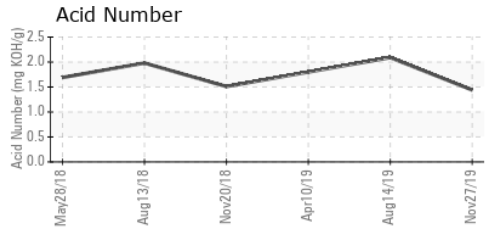
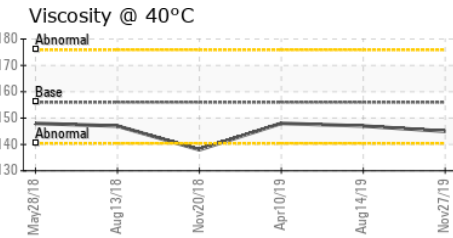
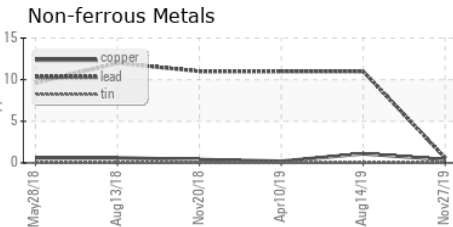
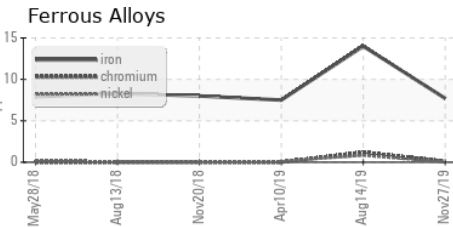
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	156	145	147

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.** : WC0386000      **Received** : 04 Dec 2019  
**Lab Number** : 02324736      **Tested** : 03 Jul 2024  
**Unique Number** : 4968034      **Diagnosed** : 03 Jul 2024 - Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: PQ, TAN Man )

**HIRAM WALKER & SONS LTD.**  
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 WINDSOR, ON  
 CA N8Y 4S5  
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 F: (519)971-5719

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.