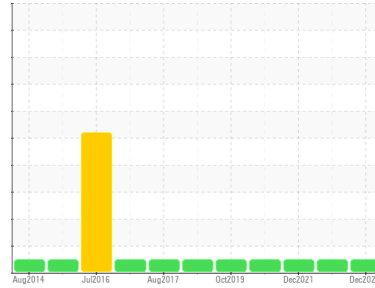




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**LITHOMAN 3 PRINT UNIT #3 (S/N 1025132)**

Component  
**Gearbox**  
Fluid  
**NOT GIVEN (80 LTR)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. 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 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>WC0776673</b>	WC0651220	WC0506366
Sample Date	Client Info			<b>27 Dec 2023</b>	30 Dec 2022	28 Dec 2021
Machine Age	hrs	Client Info		<b>18480</b>	18480	18138
Oil Age	hrs	Client Info		<b>18983</b>	18480	18138
Oil Changed	Client Info			<b>Not Chngd</b>	Not Chngd	Not Chngd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.2	<b>NEG</b>	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		<b>0</b>	0	0
Iron	ppm	ASTM D5185(m)	>200	<b>12</b>	12	11
Chromium	ppm	ASTM D5185(m)	>15	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185(m)	>100	<b>17</b>	18	17
Copper	ppm	ASTM D5185(m)	>200	<b>33</b>	38	37
Tin	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	<1	<1
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

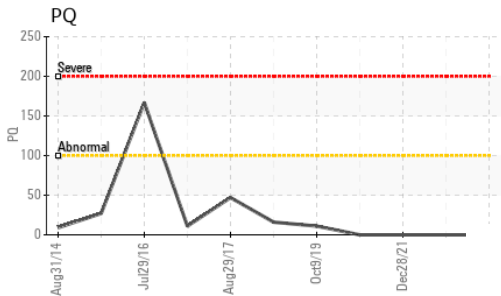
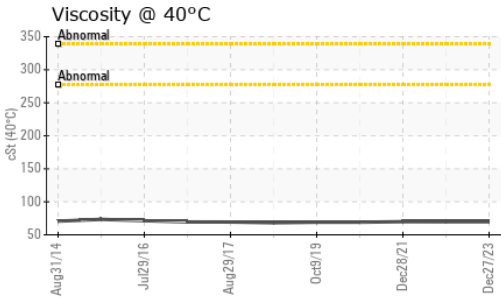
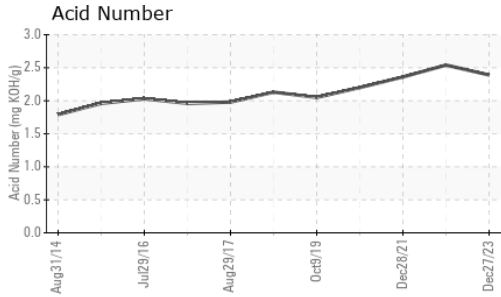
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	1
Barium	ppm	ASTM D5185(m)		<b>1</b>	1	1
Molybdenum	ppm	ASTM D5185(m)		<b>5</b>	6	6
Manganese	ppm	ASTM D5185(m)		<b>42</b>	39	34
Magnesium	ppm	ASTM D5185(m)		<b>3</b>	3	3
Calcium	ppm	ASTM D5185(m)		<b>17</b>	16	13
Phosphorus	ppm	ASTM D5185(m)		<b>1485</b>	1628	1577
Zinc	ppm	ASTM D5185(m)		<b>1327</b>	1301	1178
Sulfur	ppm	ASTM D5185(m)		<b>22330</b>	24692	23348
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	<b>14</b>	14	14
Sodium	ppm	ASTM D5185(m)		<b>3</b>	3	2
Potassium	ppm	ASTM D5185(m)	>20	<b>8</b>	7	9

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		<b>2.39</b>	2.54	2.36



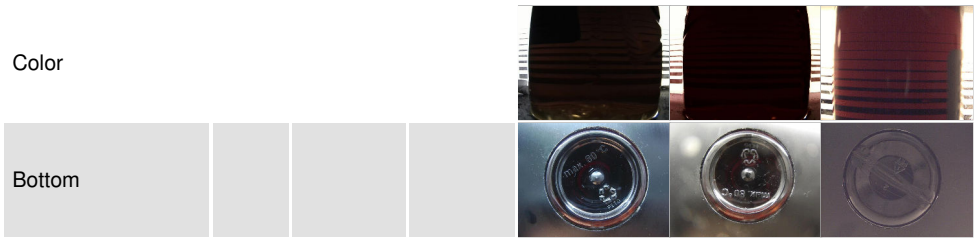
# OIL ANALYSIS REPORT



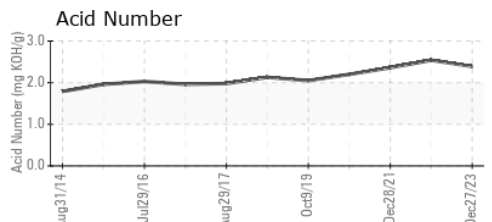
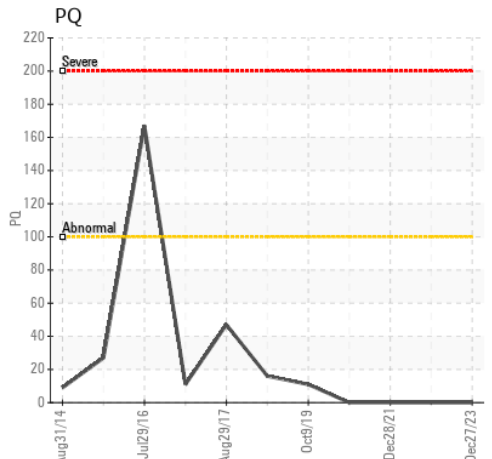
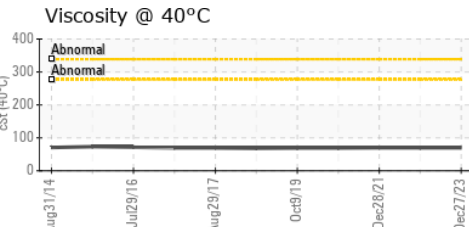
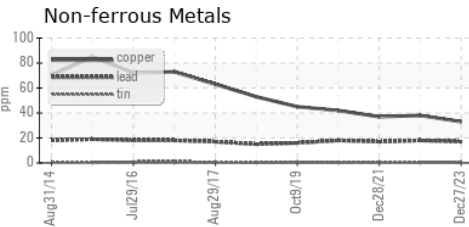
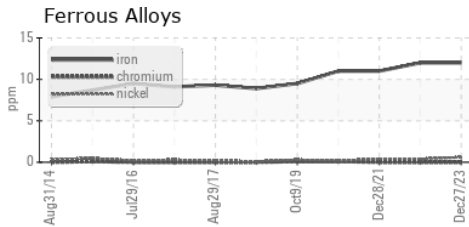
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>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)	69.8	69.8	69.9

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



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Watch Tower Bible and Tract Society of Canada  
**Sample No.** : WC0776673 **Received** : 02 Jan 2024 13893 Highway 7  
**Lab Number** : 02606096 **Diagnosed** : 03 Jan 2024 Georgetown, ON  
**Unique Number** : 5707182 **Diagnostician** : Wes Davis CA L7G 4S4  
**Test Package** : IND 2 ( Additional Tests: TAN Man )

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.

Contact: Purchasing Department  
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