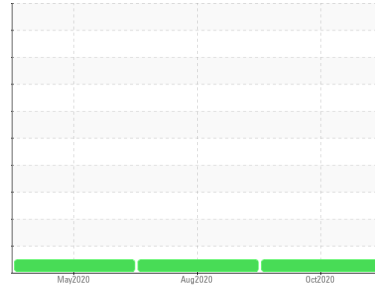




Machine Id  
**LIEBHERR LH30M 118651-1253**  
 Component  
**Rear Right Wheel Hub**  
 Fluid  
**SAE 75W90 (--- GAL)**



**DIAGNOSIS**

**Recommendation**

Confirm the source of the lubricant being utilized for top-up/fill. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

**Wear**

Les taux d'usure de tous les composants sont normaux.

**Contamination**

Il n'y a aucun indice de contamination dans le l'huile.

**Fluid Condition**

Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. L'état de l'huile est acceptable pour la durée de service.

**SAMPLE INFORMATION**

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>LH0160717</b>	LH	LH0160689
Sample Date	Client Info		<b>10 Oct 2020</b>	09 Aug 2020	10 May 2020
Machine Age	hrs	Client Info	<b>3100</b>	0	1000
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>Not Chngd</b>	N/A	N/A
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
Iron	ppm	ASTM D5185(m) >450	<b>92</b>	19	32
Chromium	ppm	ASTM D5185(m) >4	<b>&lt;1</b>	<1	1
Nickel	ppm	ASTM D5185(m) >2	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185(m) >15	<b>3</b>	<1	1
Lead	ppm	ASTM D5185(m) >4	<b>0</b>	0	<1
Copper	ppm	ASTM D5185(m) >75	<b>5</b>	2	13
Tin	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	0
Antimony	ppm	ASTM D5185(m) >4	<b>0</b>	0	<1
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

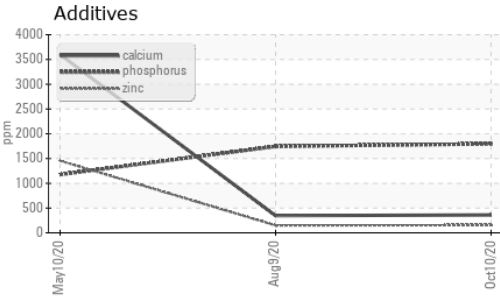
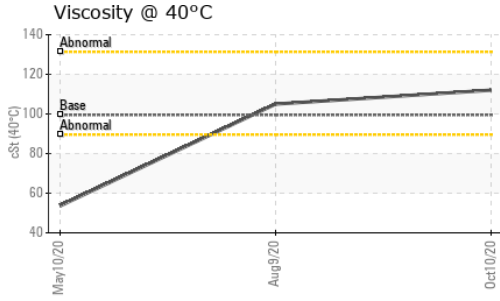
**ADDITIVES**

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 150	<b>93</b>	121	102
Barium	ppm	ASTM D5185(m) 5	<b>&lt;1</b>	0	2
Molybdenum	ppm	ASTM D5185(m) 0	<b>&lt;1</b>	0	<1
Manganese	ppm	ASTM D5185(m)	<b>2</b>	<1	4
Magnesium	ppm	ASTM D5185(m) 0	<b>3</b>	4	11
Calcium	ppm	ASTM D5185(m) 20	<b>361</b>	347	3599
Phosphorus	ppm	ASTM D5185(m) 1200	<b>1796</b>	1745	1176
Zinc	ppm	ASTM D5185(m) 25	<b>154</b>	149	1454
Sulfur	ppm	ASTM D5185(m) 22000	<b>21323</b>	21460	3312
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

**CONTAMINANTS**

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >60	<b>11</b>	3	9
Sodium	ppm	ASTM D5185(m)	<b>10</b>	4	21
Potassium	ppm	ASTM D5185(m) >20	<b>1</b>	<1	1

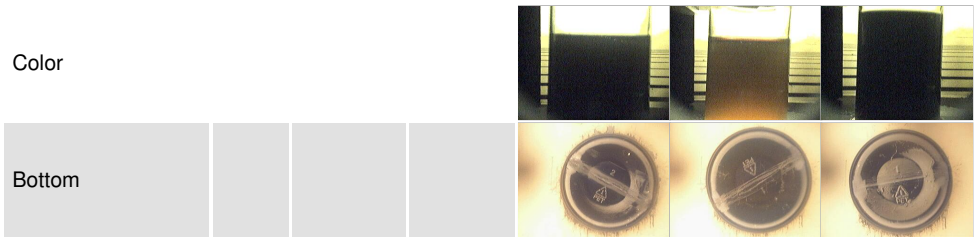
# OIL ANALYSIS REPORT



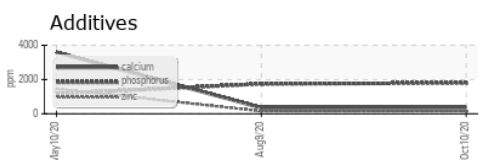
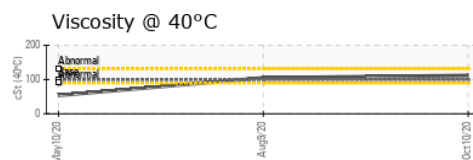
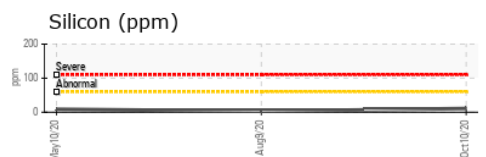
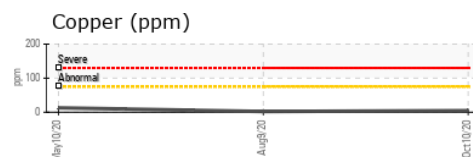
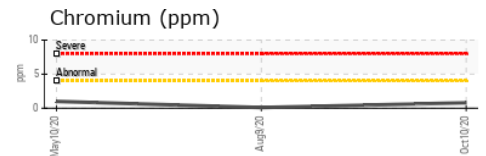
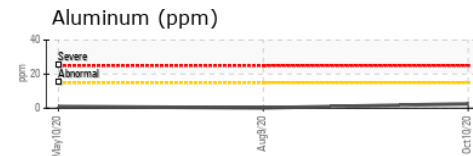
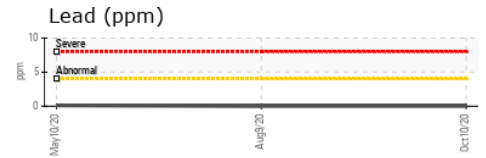
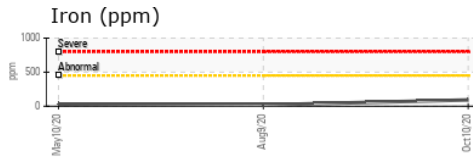
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	<b>LIGHT</b>	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	99.5	<b>112</b>	105	53.6

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



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 9341-2906 QUEBEC INC. - Forestiers JRM Inc  
**Sample No.** : LH0160717 **Received** : 19 Nov 2020 491 ROUTE 381  
**Lab Number** : **02388467** **Diagnosed** : 19 Nov 2020 Ferland-et-Boilleau, QC  
**Unique Number** : 5135924 **Diagnostician** : Kevin Marson CA G0V 1H0  
**Test Package** : MOBCE ( Additional Tests: Visual ) Contact: Remi Simard remisimard@hotmail.ca

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.