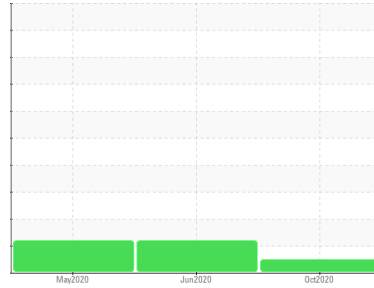




Machine Id
LIEBHERR LH30M 118651-1253
 Component
Front Left Wheel Hub
 Fluid
SAE 75W90 (--- GAL)

Sample Rating Trend



DIAGNOSIS

Recommendation

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

L'état de l'huile est acceptable pour la durée de service.

SAMPLE INFORMATION method limit/base current history1 history2

Sample Number	Client Info	LH0160714	LH0097147	LH0160686
Sample Date	Client Info	10 Oct 2020	30 Jun 2020	10 May 2020
Machine Age	hrs	3100	2000	1000
Oil Age	hrs	0	0	0
Oil Changed	Client Info	Not Chngd	Not Chngd	N/A
Sample Status		NORMAL	ABNORMAL	ABNORMAL

CONTAMINATION method limit/base current history1 history2

Water	WC Method	>0.2	NEG	NEG	NEG
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WEAR METALS method limit/base current history1 history2

Iron	ppm	ASTM D5185(m)	>450	341	104	102
Chromium	ppm	ASTM D5185(m)	>4	3	1	2
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		1	2	<1
Silver	ppm	ASTM D5185(m)		<1	<1	0
Aluminum	ppm	ASTM D5185(m)	>15	8	7	2
Lead	ppm	ASTM D5185(m)	>4	<1	0	1
Copper	ppm	ASTM D5185(m)	>75	9	6	50
Tin	ppm	ASTM D5185(m)		<1	0	0
Antimony	ppm	ASTM D5185(m)	>4	<1	0	<1
Vanadium	ppm	ASTM D5185(m)		<1	0	<1
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	<1

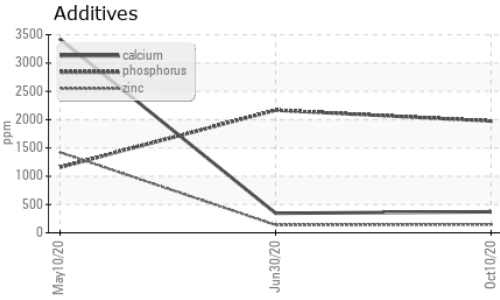
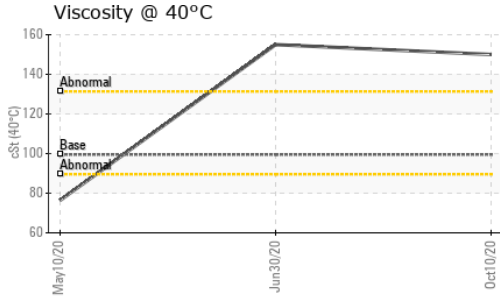
ADDITIVES method limit/base current history1 history2

Boron	ppm	ASTM D5185(m)	150	28	7	89
Barium	ppm	ASTM D5185(m)	5	2	1	4
Molybdenum	ppm	ASTM D5185(m)	0	<1	0	0
Manganese	ppm	ASTM D5185(m)		5	2	3
Magnesium	ppm	ASTM D5185(m)	0	6	3	10
Calcium	ppm	ASTM D5185(m)	20	372	346	3420
Phosphorus	ppm	ASTM D5185(m)	1200	1974	2166	1158
Zinc	ppm	ASTM D5185(m)	25	146	138	1422
Sulfur	ppm	ASTM D5185(m)	22000	22824	25268	3256
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS method limit/base current history1 history2

Silicon	ppm	ASTM D5185(m)	>60	31	26	9
Sodium	ppm	ASTM D5185(m)		24	11	27
Potassium	ppm	ASTM D5185(m)	>20	3	3	1

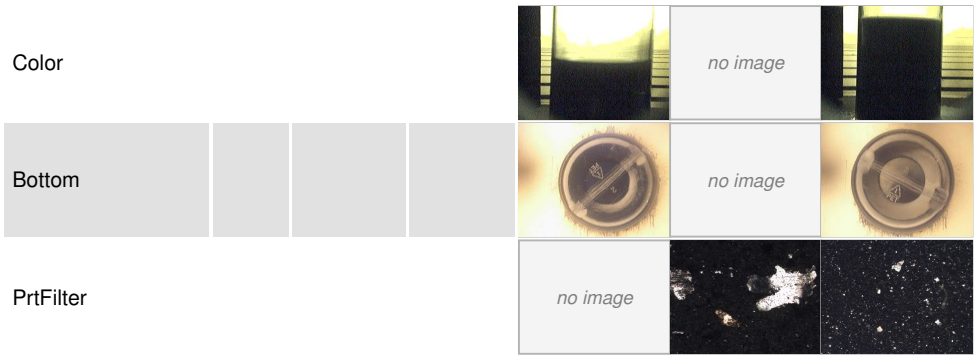
OIL ANALYSIS REPORT



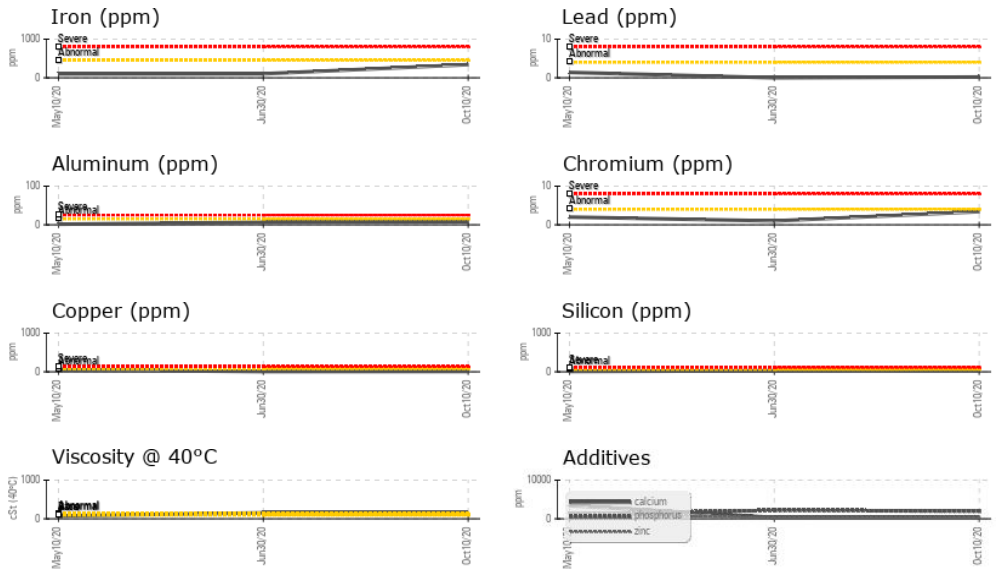
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	LIGHT ▲ LTMOD	▲ MODER
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
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)	99.5	150	155	76.4

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. : LH0160714 **Received** : 19 Nov 2020 491 ROUTE 381
Lab Number : 02388466 **Diagnosed** : 19 Nov 2020 Ferland-et-Boilleau, QC
Unique Number : 5135923 **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.