



Machine Id  
**LIEBHERR 184-713**  
 Component  
**Right Track Drive**  
 Fluid  
**GEAR OIL SAE 80W90 (--- GAL)**



**DIAGNOSIS**

**Recommendation**

Resample at the next service interval to monitor.

**Wear**

All component wear rates are normal.

**Contamination**

There is no indication of any contamination in the oil.

**Fluid Condition**

The condition of the oil is acceptable for the time in service.

**SAMPLE INFORMATION** method limit/base current history1 history2

Sample Number	Client Info	<b>LH0200481</b>	---	---
Sample Date	Client Info	<b>30 Sep 2021</b>	---	---
Machine Age	hrs	Client Info	<b>8339</b>	---
Oil Age	hrs	Client Info	<b>0</b>	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>NORMAL</b>	---	---

**WEAR METALS** method limit/base current history1 history2

Iron	ppm	ASTM D5185m	>1000	<b>64</b>	---	---
Chromium	ppm	ASTM D5185m	>30	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185m	>7	<b>0</b>	---	---
Titanium	ppm	ASTM D5185m		<b>0</b>	---	---
Silver	ppm	ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>25	<b>4</b>	---	---
Lead	ppm	ASTM D5185m	>50	<b>0</b>	---	---
Copper	ppm	ASTM D5185m	>100	<b>17</b>	---	---
Tin	ppm	ASTM D5185m	>5	<b>0</b>	---	---
Antimony	ppm	ASTM D5185m		<b>0</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	---	---

**ADDITIVES** method limit/base current history1 history2

Boron	ppm	ASTM D5185m	400	<b>113</b>	---	---
Barium	ppm	ASTM D5185m	200	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m	12	<b>&lt;1</b>	---	---
Manganese	ppm	ASTM D5185m		<b>2</b>	---	---
Magnesium	ppm	ASTM D5185m	12	<b>&lt;1</b>	---	---
Calcium	ppm	ASTM D5185m	150	<b>6</b>	---	---
Phosphorus	ppm	ASTM D5185m	1650	<b>1043</b>	---	---
Zinc	ppm	ASTM D5185m	125	<b>4</b>	---	---
Sulfur	ppm	ASTM D5185m	22500	<b>19131</b>	---	---

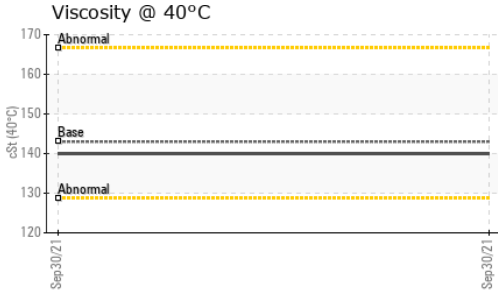
**CONTAMINANTS** method limit/base current history1 history2

Silicon	ppm	ASTM D5185m	>150	<b>5</b>	---	---
Sodium	ppm	ASTM D5185m	>170	<b>&lt;1</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	---	---

**VISUAL** method limit/base current history1 history2

White Metal	scalar	*Visual	NONE	<b>LIGHT</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	---	---
Free Water	scalar	*Visual		<b>NEG</b>	---	---

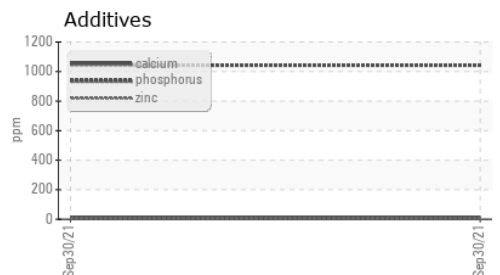
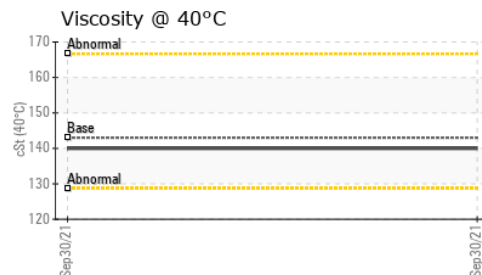
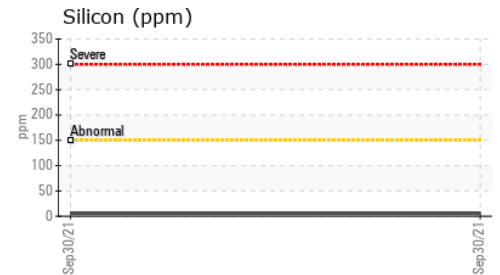
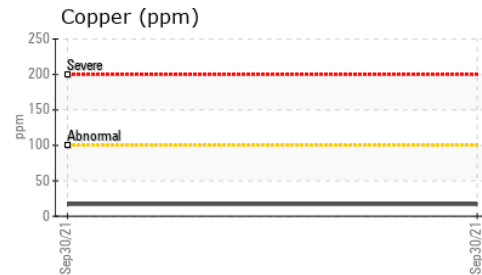
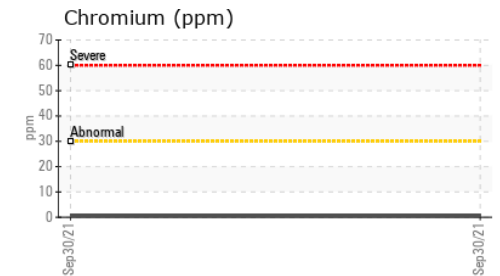
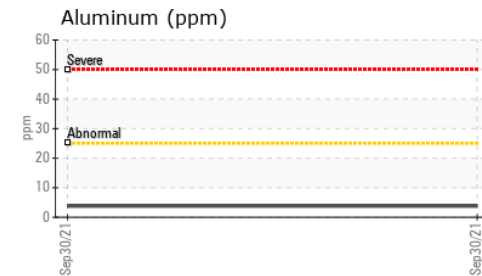
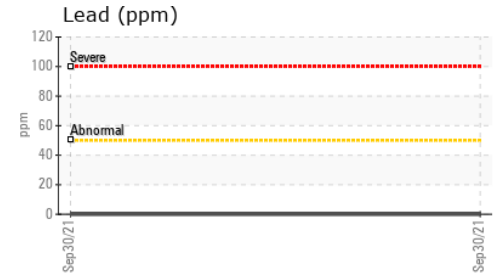
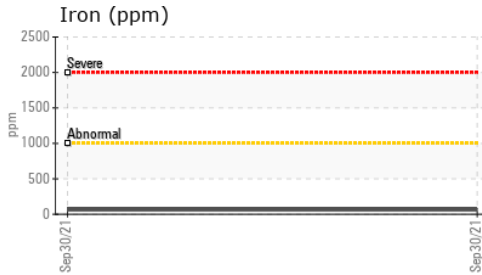
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	143	<b>140</b>	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LH0200481 **Received** : 29 Nov 2021  
**Lab Number** : **05411458** **Diagnosed** : 01 Dec 2021  
**Unique Number** : 9760646 **Diagnostician** : Don Baldrige  
**Test Package** : MOBCE

**FINKBINER EQUIPMENT CO.**  
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 F: (630)654-3792

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)