

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR PR756 1312-17193 - Left Final Drive

Sample No: LH0244032

Oil Type: LIEBHERR SYNTOGEAR PLUS 75W-90



**CITY OF RIVERVIEW**  
20863 GRANGE ROAD  
RIVERVIEW, MI  
US 48193  
Contact: Service Manager



#### SAMPLE INFORMATION

Sample Number	<b>LH0244032</b>	LH0229075	LHMC122718	LHMC131797
Sample Date	<b>15 Jun 2023</b>	28 Apr 2023	07 Oct 2021	11 Jun 2021
Machine Hours	<b>9809</b>	9570	7024	6490
Oil Hours	<b>1764</b>	1525	1015	481
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>ATTENTION</b>	ATTENTION	ABNORMAL	ABNORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	<b>52.4</b>	57.2	82.1	91.7
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T:  
F:



#### CONTAMINATION

Silicon	ppm	<b>6</b>	2	6	5
Sodium	ppm	<b>2</b>	1	1	1
Potassium	ppm	<b>0</b>	0	9	<1

#### Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.



#### WEAR METALS

Iron	ppm	<b>53</b>	45	56	42
Copper	ppm	<b>37</b>	33	73	65
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>&lt;1</b>	<1	0	<1
Aluminum	ppm	<b>2</b>	2	<1	0
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	0	0
Nickel	ppm	<b>&lt;1</b>	0	<1	1
Titanium	ppm	<b>&lt;1</b>	<1	0	<1
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	<1	<1	2
Vanadium	ppm	<b>0</b>	0	0	<1



#### ADDITIVES

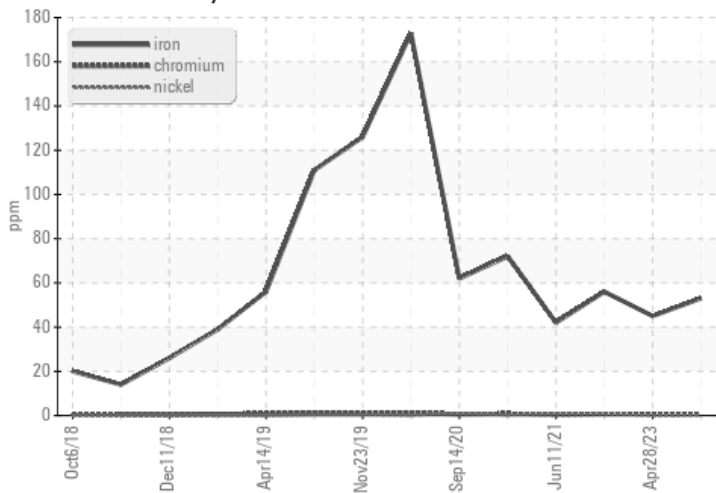
Calcium	ppm	<b>182</b>	129	18	23
Magnesium	ppm	<b>257</b>	320	1023	1001
Zinc	ppm	<b>482</b>	310	11	<1
Phosphorus	ppm	<b>806</b>	791	1656	1698
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>137</b>	194	486	668

**Depot:** CITRIVMI  
**Unique No:** 10551167  
**Signed:** Sean Felton  
**Report Date:** 12 Jul 2023

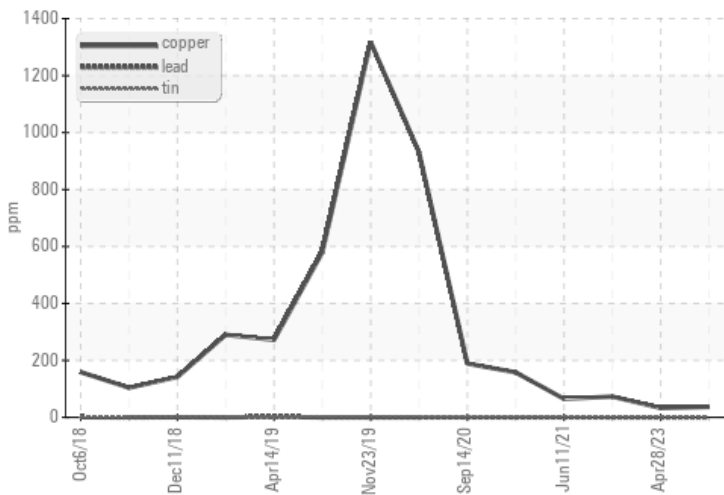


### GRAPHS

Ferrous Alloys



Non-ferrous Metals



● Viscosity @ 40°C

