

# LIEBHERR

## CONSTRUCTION EQUIPMENT



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

Sample No: LH0244031

Oil Type: LIEBHERR SYNTOGEAR PLUS 75W-90



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



#### SAMPLE INFORMATION

Sample Number	LH0244031	LH0229074	LH0190577	LH0190578
Sample Date	15 Jun 2023	28 Apr 2023	24 Mar 2023	13 Feb 2023
Machine Hours	9809	9570	9324	9113
Oil Hours	696	457	111	1068
Oil Changed	Changed	Not Changd	Not Changd	Changed
Sample Status	ATTENTION	ATTENTION	ATTENTION	ATTENTION



#### OIL CONDITION

Visc @ 40°C	cSt	50.7	58.1	69.5	61.0

T:  
F:



#### CONTAMINATION

Element	ppm	3	1	3	5
Silicon	ppm	3	1	3	5
Sodium	ppm	1	<1	<1	2
Potassium	ppm	<1	0	<1	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

Element	ppm	20	10	10	28
Iron	ppm	20	10	10	28
Copper	ppm	10	6	6	27
Lead	ppm	0	0	0	0
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	1	2	0	0
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	0	0	<1	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

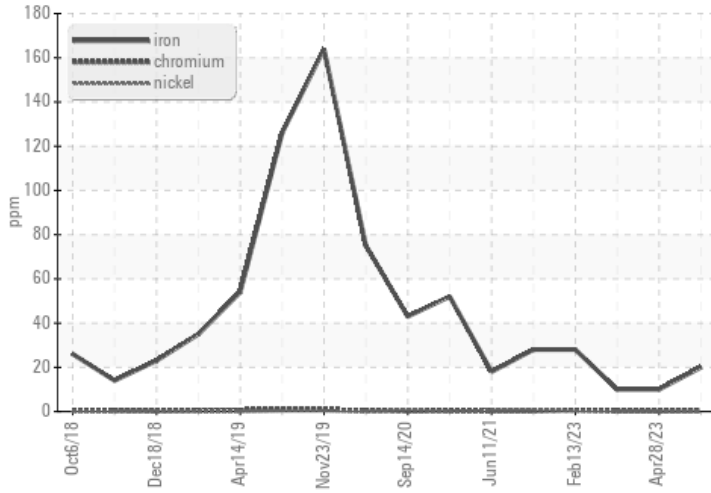
Element	ppm	202	131	130	182
Calcium	ppm	202	131	130	182
Magnesium	ppm	199	232	480	441
Zinc	ppm	565	331	315	403
Phosphorus	ppm	702	670	1106	1113
Barium	ppm	0	0	0	0
Boron	ppm	183	164	291	236

Depot: CITRIVMI  
Unique No: 10551168  
Signed: Sean Felton  
Report Date: 12 Jul 2023

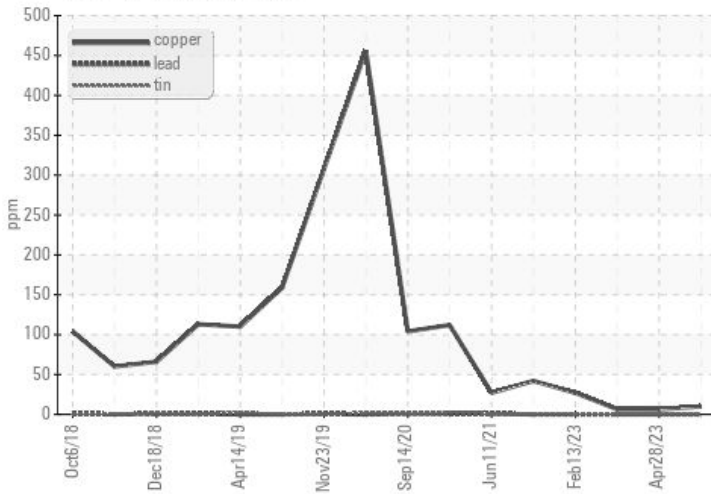


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### ● Viscosity @ 40°C

