

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR PR756 1312-17193 - Right Final Drive

Sample No: LH0243293

Oil Type: LIEBHERR SYNTOGear PLUS 75W-90



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



SAMPLE INFORMATION

Sample Number	LH0243293	LH0244031	LH0229074	LH0190577
Sample Date	07 Jul 2023	15 Jun 2023	28 Apr 2023	24 Mar 2023
Machine Hours	9943	9809	9570	9324
Oil Hours	134	696	457	111
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	ATTENTION	ATTENTION	ATTENTION



OIL CONDITION

Visc @ 40°C	cSt	86.3	50.7	58.1	69.5
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T:
F:



CONTAMINATION

Silicon	ppm	6	3	1	3
Sodium	ppm	2	1	<1	<1
Potassium	ppm	0	<1	0	<1

Diagnosis

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



WEAR METALS

Iron	ppm	33	20	10	10
Copper	ppm	21	10	6	6
Lead	ppm	0	0	0	0
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	2	1	2	0
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	0	0	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

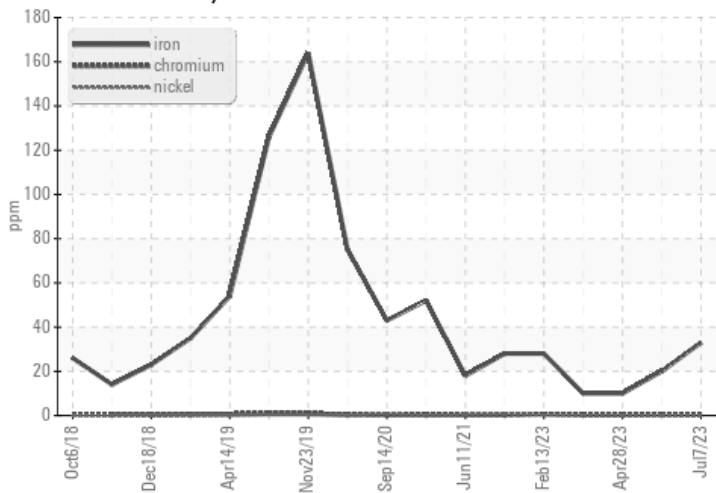
Calcium	ppm	614	202	131	130
Magnesium	ppm	756	199	232	480
Zinc	ppm	330	565	331	315
Phosphorus	ppm	1482	702	670	1106
Barium	ppm	0	0	0	0
Boron	ppm	497	183	164	291

Depot: CITRIVMI
Unique No: 10552301
Signed: Don Baldrige
Report Date: 13 Jul 2023

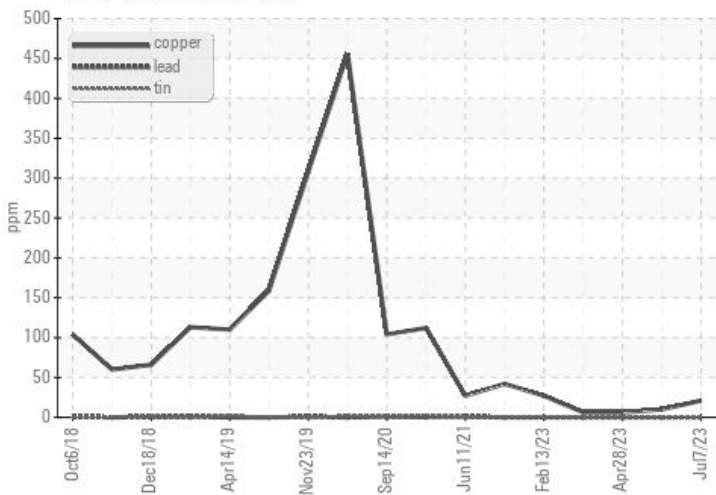


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

