

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR PR756 1312-17193 - Pump Drive

Sample No: LH0243296

Oil Type: LIEBHERR HYPOID 85W-140 EP



SAMPLE INFORMATION

Sample Number	LH0243296	---	---	---
Sample Date	07 Jul 2023	---	---	---
Machine Hours	9943	---	---	---
Oil Hours	983	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

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



OIL CONDITION

Visc @ 40°C	cSt	● 317	---	---	---
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T:
F:



CONTAMINATION

Silicon	ppm	● 16	---	---	---
Sodium	ppm	● 1	---	---	---
Potassium	ppm	● 0	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The iron level is severe. Gear wear is indicated. Bearing and/or bushing wear is indicated. 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	● 2424	---	---	---
Copper	ppm	● 62	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 4	---	---	---
Chromium	ppm	● 25	---	---	---
Molybdenum	ppm	● 3	---	---	---
Nickel	ppm	● 2	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 17	---	---	---
Vanadium	ppm	● 0	---	---	---



ADDITIVES

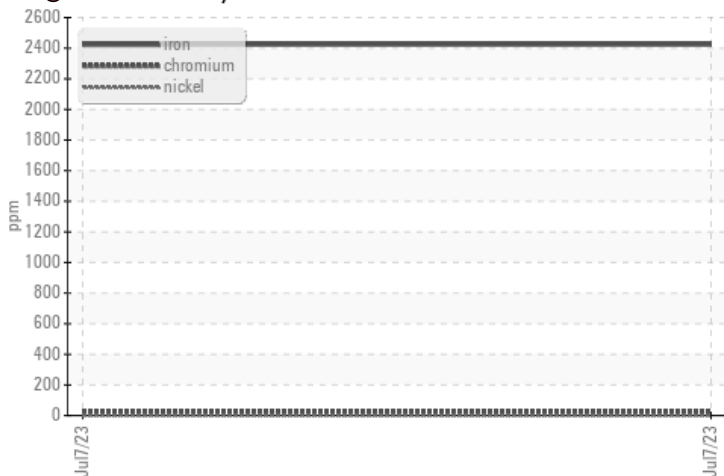
Calcium	ppm	● 22	---	---	---
Magnesium	ppm	● 0	---	---	---
Zinc	ppm	● 100	---	---	---
Phosphorus	ppm	● 738	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● <1	---	---	---

Depot: CITRIVMI
Unique No: 10552299
Signed: Don Baldrige
Report Date: 13 Jul 2023

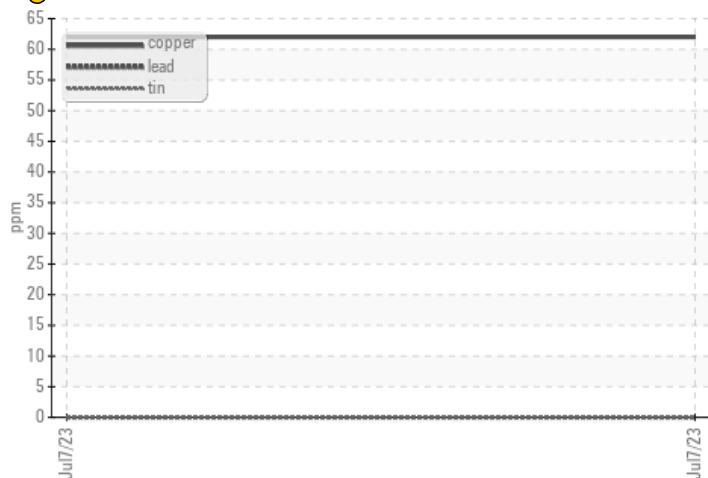


GRAPHS

● Ferrous Alloys



● Non-ferrous Metals



Viscosity @ 40°C

