

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A934C 061188-1419 - Splitter Box

Sample No: LH0272396

Oil Type: GEAR OIL SAE 80W90



Sample Information

Sample Number	LH0272396	LH0263927	LH0253886	LH0253907
Sample Date	30 Jan 2024	10 Nov 2023	21 Sep 2023	13 Jul 2023
Machine Hours	28174	27562	27222	26744
Oil Hours	1000	500	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

NORTHERN METAL RECYCLING

2800 PACIFIC ST N
MINNEAPOLIS, MN
US 55411

Contact: CHRIS GILMER
chris.gilmer@emrgroup.com

T: (612)305-7338

F:



Oil Condition

Visc @ 40°C	cSt	122	129	139	147
		●	●	●	●



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	● 6	● 3	● 2	● 3
Sodium	ppm	● 7	● 11	● 14	● 32
Potassium	ppm	● 4	● 0	● 2	● 2



Wear Metals

Iron	ppm	● 42	● 28	● 26	● 46
Copper	ppm	● 1	● 2	● <1	● 1
Lead	ppm	● 1	● 0	● 0	● 0
Tin	ppm	● 1	● <1	● 0	● 0
Aluminum	ppm	● 2	● <1	● <1	● <1
Chromium	ppm	● 1	● 0	● 0	● <1
Molybdenum	ppm	● 2	● <1	● <1	● <1
Nickel	ppm	● 1	● 0	● 0	● 0
Titanium	ppm	● 1	● <1	● 0	● 0
Silver	ppm	● <1	● 0	● 0	● 0
Manganese	ppm	● 2	● <1	● <1	● <1
Vanadium	ppm	● <1	● 0	● 0	● 0



Additives

Calcium	ppm	● 56	● 19	● 19	● 53
Magnesium	ppm	● 6	● <1	● 2	● 5
Zinc	ppm	● 66	● 13	● 14	● 56
Phosphorus	ppm	● 896	● 885	● 880	● 1298
Barium	ppm	● <1	● 0	● 0	● 0
Boron	ppm	● 7	● 8	● 9	● 20

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

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.

Depot: NORMINLH

Unique No: 10995342

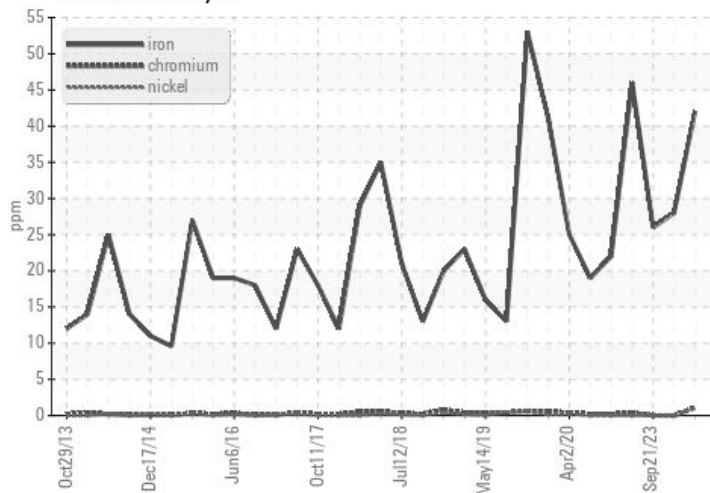
Signed: Wes Davis

Report Date: 25 Apr 2024

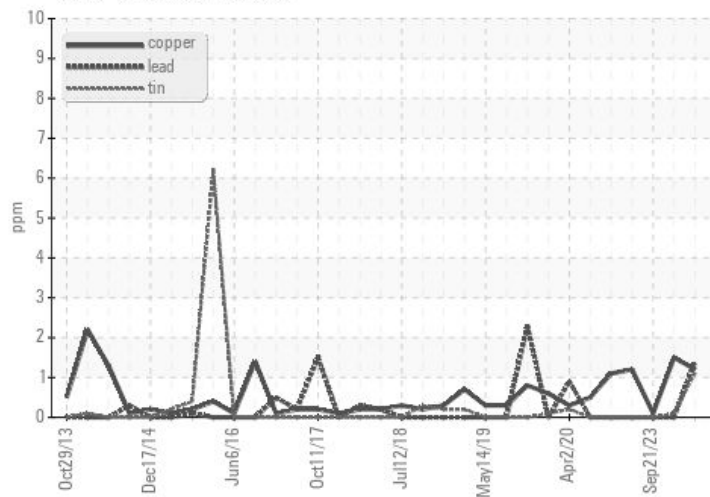


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

