

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A934C 061188-1419 - Splitter Box

Sample No: LH0263927

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0263927	LH0253886	LH0253907	LH0236043
Sample Date	10 Nov 2023	21 Sep 2023	13 Jul 2023	23 Nov 2022
Machine Hours	27562	27222	26744	25468
Oil Hours	500	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
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T: (612)305-7338
F:



OIL CONDITION

Visc @ 40°C	cSt	129	139	147	148



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	2	3	3
Sodium	ppm	11	14	32	27
Potassium	ppm	0	2	2	<1



WEAR METALS

Iron	ppm	28	26	46	22
Copper	ppm	2	<1	1	1
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	2
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	19	19	53	29
Magnesium	ppm	<1	2	5	5
Zinc	ppm	13	14	56	30
Phosphorus	ppm	885	880	1298	1050
Barium	ppm	0	0	0	0
Boron	ppm	8	9	20	17

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.

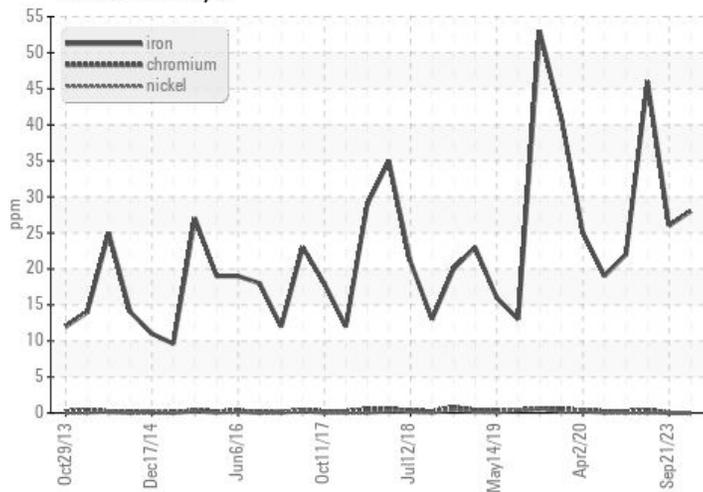
All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: NORMINLH
Unique No: 10844591
Signed: Wes Davis
Report Date: 23 Jan 2024

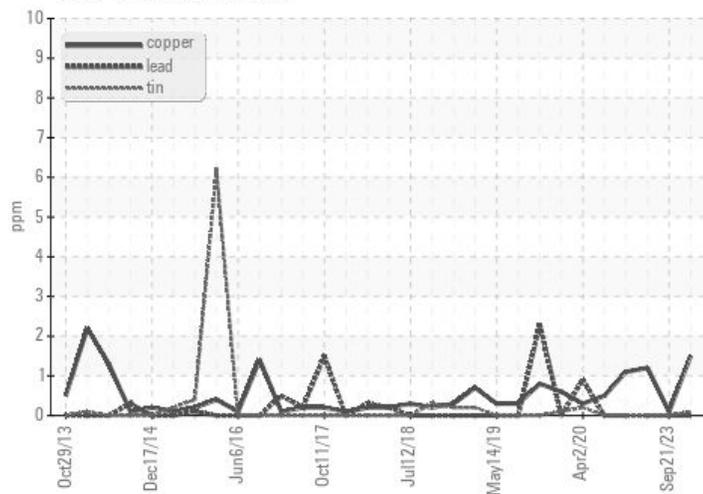


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

