

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A934C 064064-1007 - Splitter Box

Sample No: LH0272768

Oil Type: GEAR OIL LS 80W90



SAMPLE INFORMATION

Sample Number	LH0272768	LH0220792	LH0217646	LH0229273
Sample Date	21 Dec 2023	10 Jan 2023	05 Jul 2022	31 May 2022
Machine Hours	25949	24002	23011	22768
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	120	131	131	130
		●	●	●	●



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	● 3	● 3	● 1	● 2
Sodium	ppm	● 1	● 2	● 1	● 1
Potassium	ppm	● 3	● 2	● 2	● 3

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	● 28	● 102	● 6	● 9
Copper	ppm	● 0	● 21	● 0	● 0
Lead	ppm	● <1	● 1	● <1	● 0
Tin	ppm	● 0	● 1	● <1	● <1
Aluminum	ppm	● <1	● <1	● <1	● <1
Chromium	ppm	● 0	● <1	● 0	● 0
Molybdenum	ppm	● 0	● 1	● 1	● 2
Nickel	ppm	● 0	● 0	● 0	● 0
Titanium	ppm	<1	2	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	● 1	● 1	● 0	● <1
Vanadium	ppm	0	0	0	0



ADDITIVES

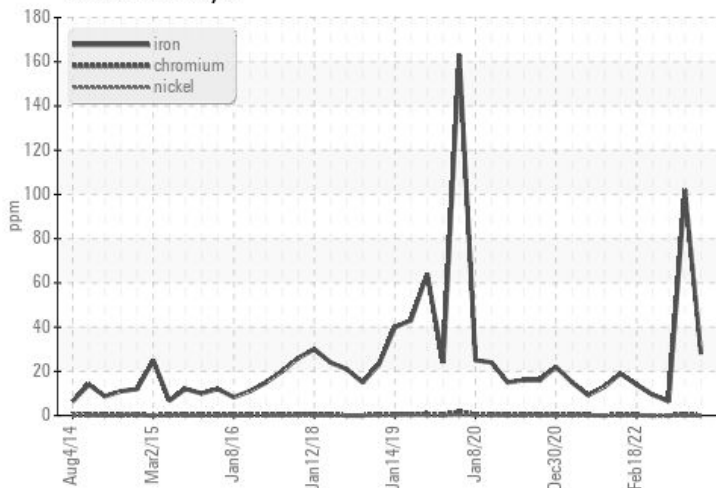
Calcium	ppm	● 46	● 133	● 109	● 153
Magnesium	ppm	● 9	● 48	● 21	● 21
Zinc	ppm	● 29	● 55	● 58	● 79
Phosphorus	ppm	● 817	● 813	● 713	● 915
Barium	ppm	● 0	● 0	● 0	● 0
Boron	ppm	3	● 21	● 30	● 44

Depot: LEC0008
 Unique No: 10819154
 Signed: Don Baldrige
 Report Date: 08 Jan 2024

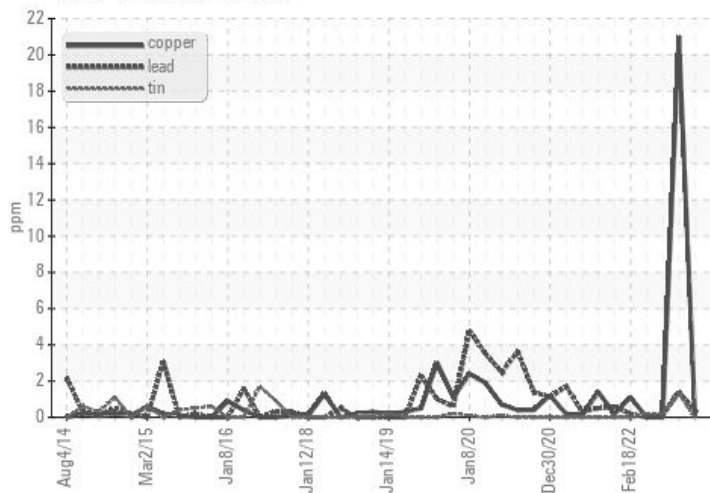


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

