

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LR636 018687-1275 - Left Final Drive

Sample No: LH0273227

Oil Type: GEAR OIL LS 80W90



SAMPLE INFORMATION

Sample Number	LH0273227	LHMC99396	LHMC100330	LHMC99034
Sample Date	02 Jan 2024	14 Jun 2023	21 Dec 2022	13 Sep 2022
Machine Hours	3251	2868	2276	1856
Oil Hours	1395	592	2276	550
Oil Changed	Changed	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION

RECO EQUIPMENT INC.
 20620 ROUTE 19 NORTH
 CRANBERRY TOWNSHIP, PA
 US 16066
 Contact: RICK STARINCHAK
 RAS@RECOEQUIP.COM
 T: (724)779-4646
 F: (724)779-4611



OIL CONDITION

Visc @ 40°C	cSt	351	310	311	162
-------------	-----	-----	-----	-----	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	2	2	<1
Sodium	ppm	3	3	4	<1
Potassium	ppm	2	1	1	0

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	51	47	3
Copper	ppm	17	32	26	2
Lead	ppm	<1	0	<1	0
Tin	ppm	2	1	1	0
Aluminum	ppm	2	0	<1	0
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	<1	0	0	0
Nickel	ppm	1	0	<1	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	<1	<1	0
Vanadium	ppm	0	0	0	0



ADDITIVES

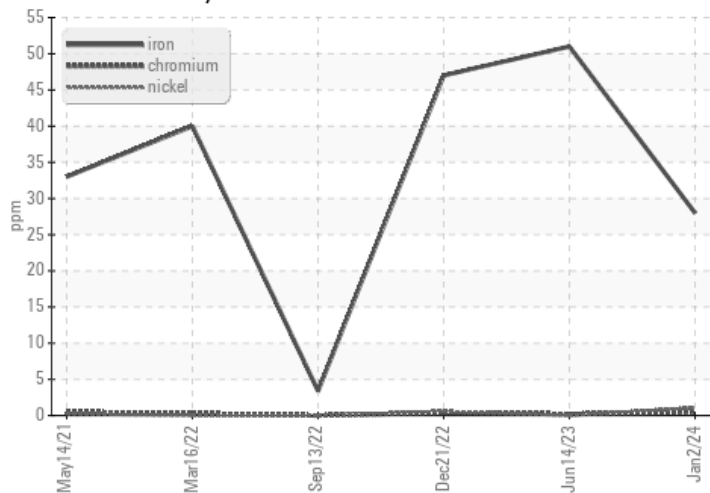
Calcium	ppm	13	14	17	17
Magnesium	ppm	2	0	0	0
Zinc	ppm	11	23	26	4
Phosphorus	ppm	1614	1212	1175	1347
Barium	ppm	1	7	15	0
Boron	ppm	5	8	8	143

Depot: LEC0070
 Unique No: 10821038
 Signed: Sean Felton
 Report Date: 10 Jan 2024

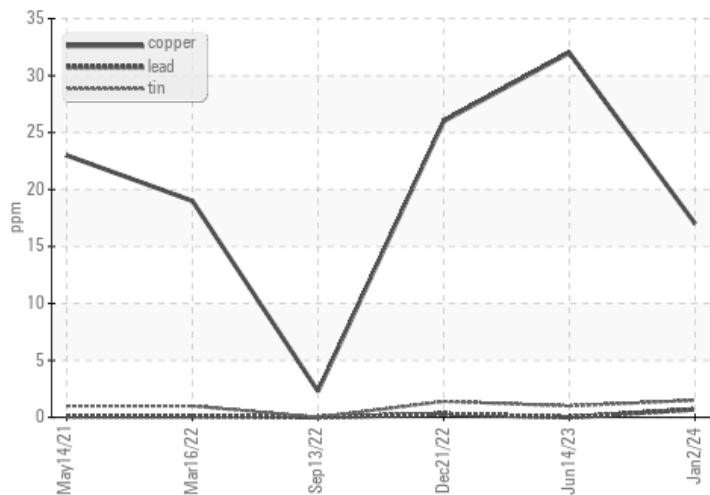


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

