

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L538 1559-58274 - Transmission (Auto)

Sample No: LH0253890

Oil Type: LIEBHERR HYDRAULIC-GEAR ATF



SAMPLE INFORMATION

Sample Number	LH0253890	LH0236495	LH0220650	LH0220644
Sample Date	02 Aug 2023	15 Mar 2023	01 Aug 2022	23 May 2022
Machine Hours	5816	5998	4096	13630
Oil Hours	0	1000	1000	500
Oil Changed	Changed	Changed	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

REPUBLIC SERVICES

2495 117TH STREET
INVER GROVE HEIGHTS, MN
US 55077

Contact: JOHN SCHAFFER
jschaffer@republicservices.com

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OIL CONDITION

Visc @ 40°C	cSt	24.6	32.5	24.7	25.1
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CONTAMINATION

Silicon	ppm	7	5	6	7
Sodium	ppm	0	0	2	0
Potassium	ppm	1	<1	0	1

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	65	0	76	60
Copper	ppm	<1	0	<1	<1
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	<1	0
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

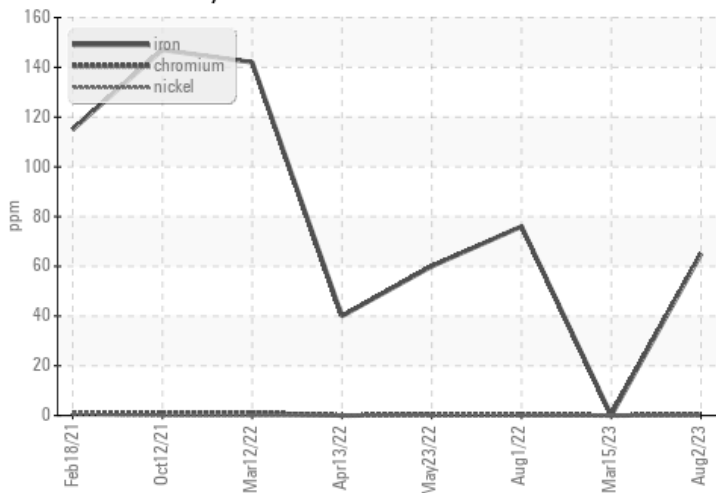
Calcium	ppm	120	95	126	111
Magnesium	ppm	2	2	3	2
Zinc	ppm	16	8	11	9
Phosphorus	ppm	235	306	230	218
Barium	ppm	1	0	0	1
Boron	ppm	118	113	121	119

Depot: REPINV
Unique No: 10605631
Signed: Jonathan Hester
Report Date: 17 Aug 2023

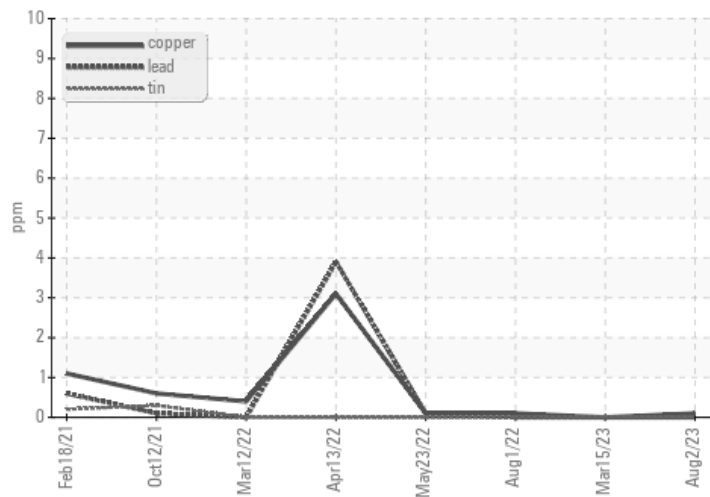


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

