

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 117414-1253 - Rear Right Wheel Hub

Sample No: LH0272895

Oil Type: GEAR OIL SAE 80W90



SPARTAN RECYCLING
 3071 HOWARD ST
 SPARTANBURG, SC
 US 29303
 Contact: SERVICE MANAGER

T:
 F:



SAMPLE INFORMATION

Sample Number	LH0272895	LH0235756	LH0217607	LHMC160594
Sample Date	10 Jan 2024	26 Sep 2023	14 Jul 2022	03 Mar 2022
Machine Hours	8285	7700	0	4332
Oil Hours	0	0	0	500
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	120	96.9	95.9	106
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	4	9	4
Sodium	ppm	0	4	6	5
Potassium	ppm	1	2	3	4



WEAR METALS

Iron	ppm	18	41	225	22
Copper	ppm	1	3	4	<1
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	2	<1	<1	1
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	1	4	<1	5
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	<1	2	<1
Vanadium	ppm	0	<1	<1	0



ADDITIVES

Calcium	ppm	67	204	24	169
Magnesium	ppm	6	18	4	20
Zinc	ppm	0	95	14	78
Phosphorus	ppm	359	381	373	539
Barium	ppm	3	0	0	0
Boron	ppm	1	13	2	16

Diagnosis

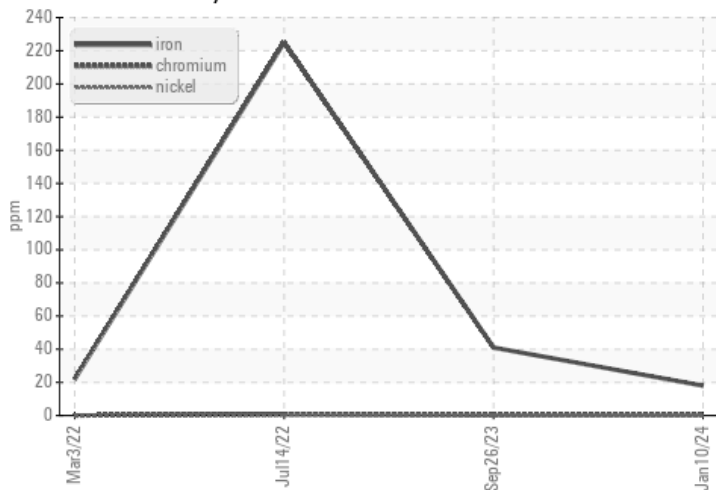
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: SPASPALH
 Unique No: 10834552
 Signed: Wes Davis
 Report Date: 18 Jan 2024

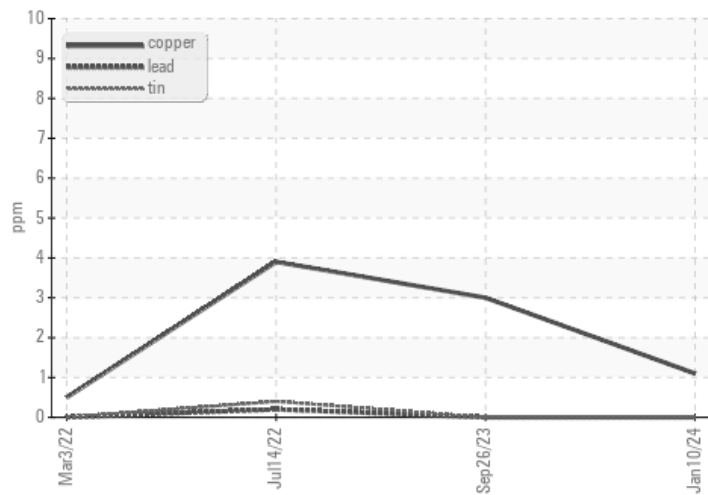


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

