

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 1203-81839 - Rear Left Wheel Hub

Sample No: LH0243703

Oil Type: GEAR OIL SAE 85W90



SAMPLE INFORMATION

Sample Number	LH0243703	LH0185301	LH0166801	LHMC148456
Sample Date	27 Sep 2023	04 Aug 2021	28 Sep 2020	15 May 2019
Machine Hours	0	7953	6978	4996
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	175	192	179	194
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CONTAMINATION

Silicon	ppm	5	2	1	2
Sodium	ppm	2	4	4	4
Potassium	ppm	0	0	<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	25	21	27	29
Copper	ppm	4	4	9	8
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	0	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	<1	0	<1	<1
Nickel	ppm	0	<1	0	0
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

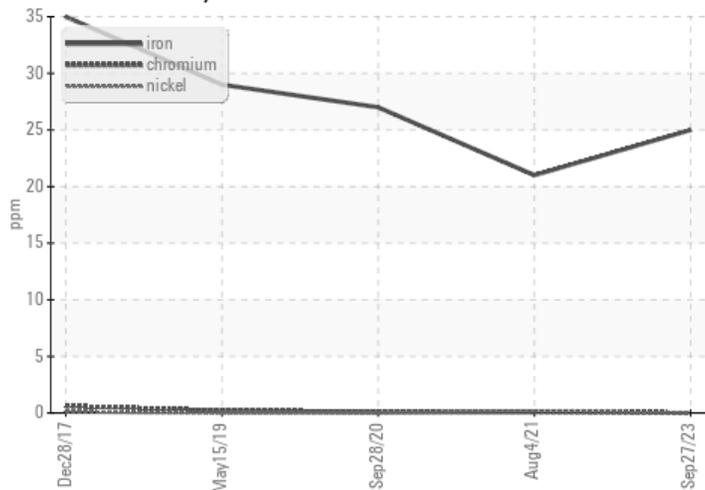
Calcium	ppm	27	9	37	17
Magnesium	ppm	6	2	6	<1
Zinc	ppm	9	0	14	12
Phosphorus	ppm	2070	2191	2204	2137
Barium	ppm	0	0	0	<1
Boron	ppm	4	16	47	2

Depot: LEC0007
Unique No: 10673831
Signed: Sean Felton
Report Date: 04 Oct 2023

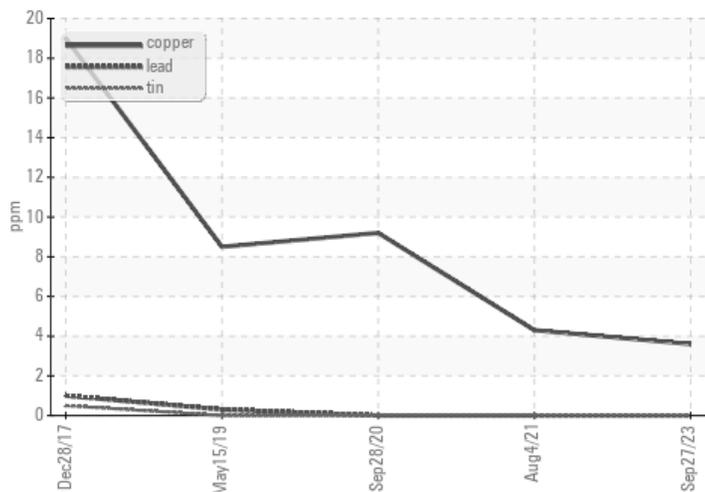


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

