

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 117421-1217 - Front Right Wheel Hub

Sample No: LH0267286

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0267286	LH0247835	LH0217512	---
Sample Date	26 Dec 2023	24 Feb 2023	01 Mar 2022	---
Machine Hours	5377	3454	1190	---
Oil Hours	0	1000	500	---
Oil Changed	Not Changd	Not Changd	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

TT & E IRON

1529 WEST GARNER RD
GARNER, NC
US 27529
Contact: MICHAEL STANCIL
culaterprowler@aol.com
T: (919)524-4326
F:



OIL CONDITION

Visc @ 40°C	cSt	144	140	149	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	3	4	2	---
Sodium	ppm	2	1	2	---
Potassium	ppm	2	1	2	---

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	87	21	22	---
Copper	ppm	18	13	5	---
Lead	ppm	0	0	<1	---
Tin	ppm	<1	0	<1	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	0	1	1	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	7	---
Manganese	ppm	3	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

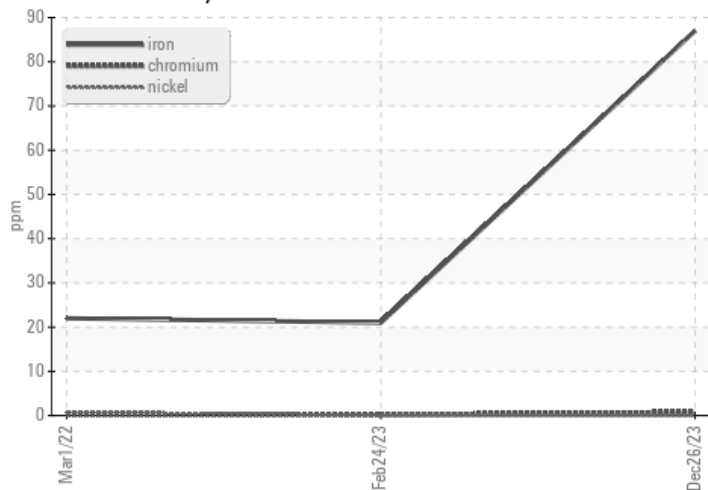
Calcium	ppm	53	42	39	---
Magnesium	ppm	7	4	6	---
Zinc	ppm	34	33	20	---
Phosphorus	ppm	924	793	706	---
Barium	ppm	168	183	174	---
Boron	ppm	2	4	6	---

Depot: TTENEW
Unique No: 10817116
Signed: Don Baldrige
Report Date: 05 Jan 2024

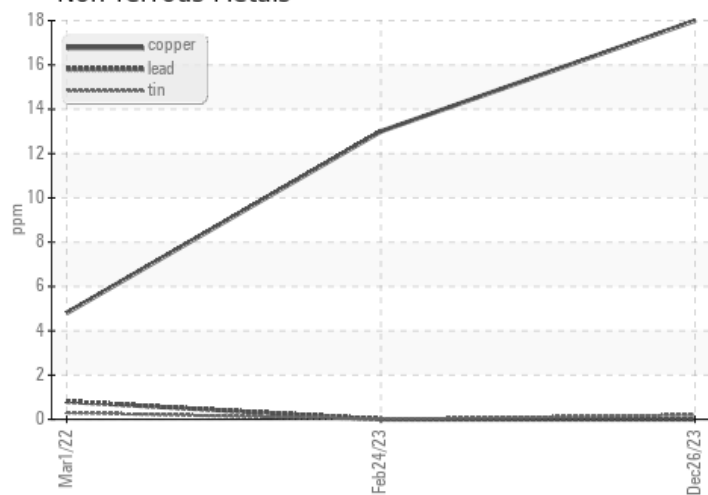


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

