

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 052439-1334 - Rear Differential

Sample No: LH0268344

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0268344	LH0258499	LH0217462	LH0217439
Sample Date	11 Mar 2024	09 Oct 2023	29 Aug 2022	13 Jun 2022
Machine Hours	12062	11055	7135	6294
Oil Hours	1007	1000	1000	2185
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

BENEVENTO SAND & STONE
 900 SALEM STREET PO Box 454
 WILMINGTON, MA
 US 01887
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	194	193	177	184
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T:
 F: (978)658-8928



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	3	1	2
Sodium	ppm	0	3	1	0
Potassium	ppm	<1	0	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	17	29	67	191
Copper	ppm	28	70	148	164
Lead	ppm	<1	0	1	0
Tin	ppm	<1	2	2	2
Aluminum	ppm	2	<1	1	<1
Chromium	ppm	<1	<1	<1	2
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	0	<1	<1	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	<1	2	3	3
Vanadium	ppm	0	0	0	0



ADDITIVES

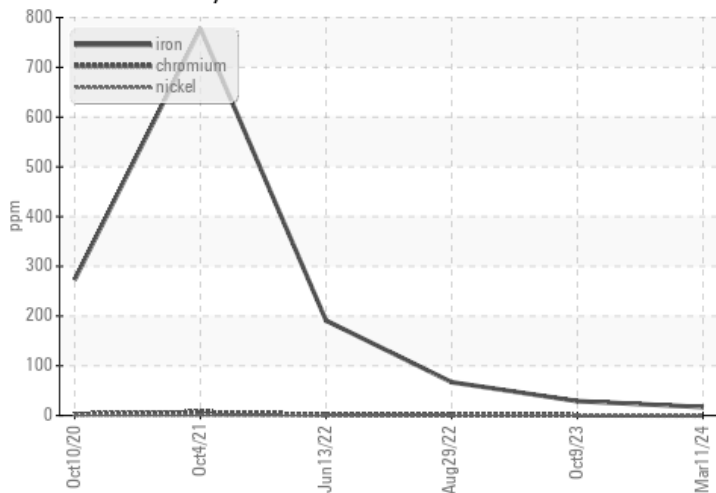
Calcium	ppm	45	17	52	67
Magnesium	ppm	<1	<1	2	1
Zinc	ppm	42	82	89	59
Phosphorus	ppm	2172	2304	2182	2121
Barium	ppm	0	19	0	0
Boron	ppm	0	0	2	<1

Depot: BENWILLH
 Unique No: 10940921
 Signed: Wes Davis
 Report Date: 25 Mar 2024

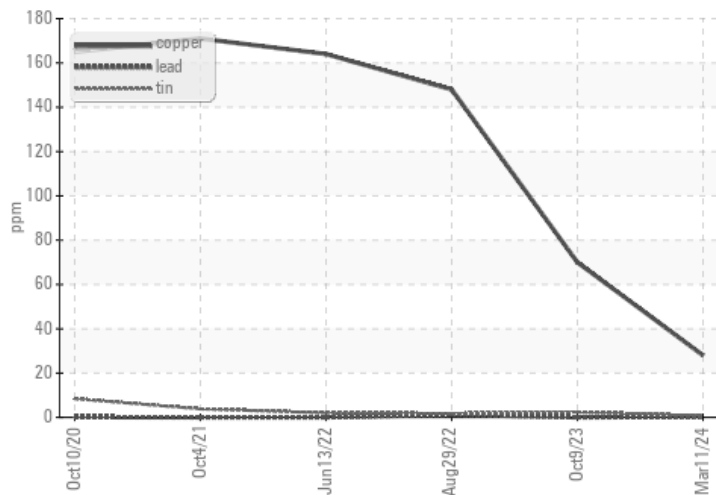


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

