

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 065499-1761- Rear Differential

Sample No: LH0268335

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0268335	LH0258503	LH0229219	LH0217465
Sample Date	07 Feb 2024	24 Aug 2023	24 Mar 2023	11 Jul 2022
Machine Hours	6246	5023	3987	2017
Oil Hours	2000	1036	1970	985
Oil Changed	Changed	Filtered	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

JR VINAGRO
2208 PLAINFIELD PIKE
JOHNSTON, RI
US 02919
Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	191	193	193	181
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	2	1	3
Sodium	ppm	<1	2	1	1
Potassium	ppm	0	2	0	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	39	48	41	107
Copper	ppm	33	49	62	48
Lead	ppm	0	<1	0	0
Tin	ppm	2	2	1	3
Aluminum	ppm	0	0	<1	<1
Chromium	ppm	<1	0	<1	1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	3	3	8
Vanadium	ppm	0	<1	0	0



ADDITIVES

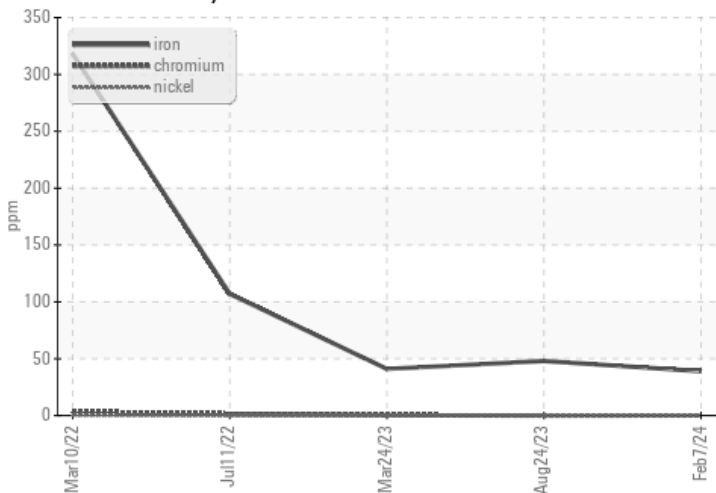
Calcium	ppm	10	30	17	20
Magnesium	ppm	0	0	3	0
Zinc	ppm	26	55	54	63
Phosphorus	ppm	2289	2078	2291	1896
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	4

Depot: JRVJOH
Unique No: 10873869
Signed: Wes Davis
Report Date: 13 Feb 2024

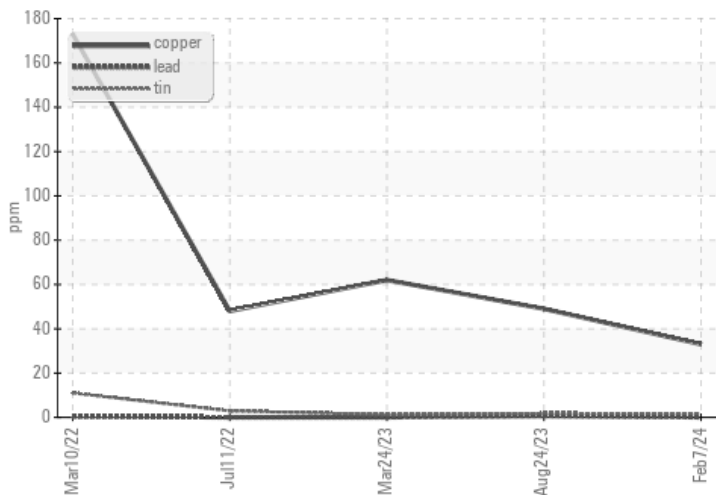


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

