

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 047353-1334 - Rear Differential

Sample No: LH0268332

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0268332	LH0258493	LH0229247	LHMC130833
Sample Date	14 Feb 2024	13 Oct 2023	06 Sep 2022	10 Apr 2019
Machine Hours	7290	6889	6063	2043
Oil Hours	401	826	1000	2043
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

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



#### OIL CONDITION

Visc @ 40°C	cSt	194	186	175	195
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T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	2	2	31
Sodium	ppm	2	4	2	10
Potassium	ppm	1	1	0	14

#### 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	130	41	23	225
Copper	ppm	38	18	13	155
Lead	ppm	<1	0	0	2
Tin	ppm	<1	1	1	0
Aluminum	ppm	2	<1	1	3
Chromium	ppm	<1	<1	<1	3
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	0	<1	2
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	8	2	2	48
Vanadium	ppm	0	0	0	0



#### ADDITIVES

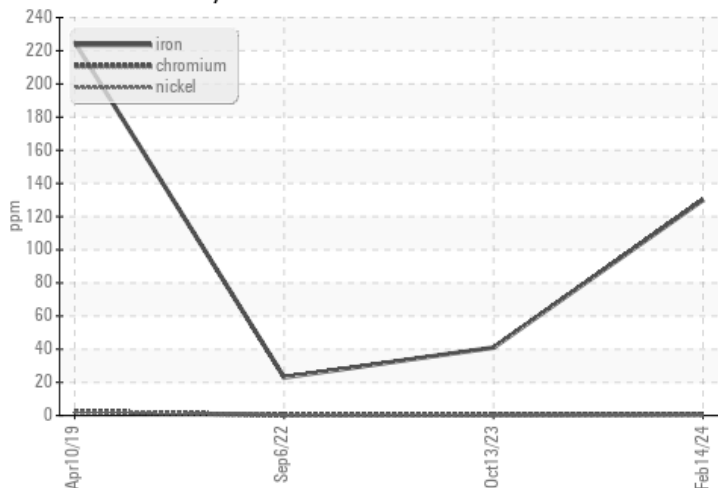
Calcium	ppm	23	55	51	14
Magnesium	ppm	<1	<1	2	2
Zinc	ppm	28	34	27	94
Phosphorus	ppm	2282	2065	2199	2170
Barium	ppm	0	<1	<1	0
Boron	ppm	0	<1	1	1

Depot: JRVJOH  
Unique No: 10940924  
Signed: Don Baldrige  
Report Date: 26 Mar 2024

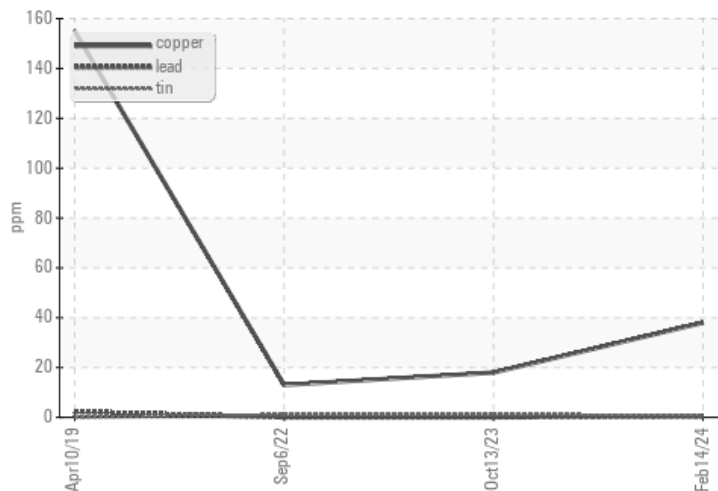


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

