

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 047353-1334 - Front Differential

Sample No: LH0258497

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0258497	LH0258492	LH0217487	LHMC134099
Sample Date	14 Feb 2024	13 Oct 2023	06 Sep 2022	10 Apr 2019
Machine Hours	7290	6889	6063	2043
Oil Hours	1000	826	1000	2043
Oil Changed	Changed	N/A	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	187	186	174	196
-------------	-----	-----	-----	-----	-----

T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	2	3	29
Sodium	ppm	1	2	0	9
Potassium	ppm	1	0	0	11

#### 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	70	42	70	350
Copper	ppm	65	17	26	150
Lead	ppm	<1	0	0	2
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	2	<1	<1	3
Chromium	ppm	<1	0	<1	4
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	0	3
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	5	2	0	56
Vanadium	ppm	0	0	0	0



#### ADDITIVES

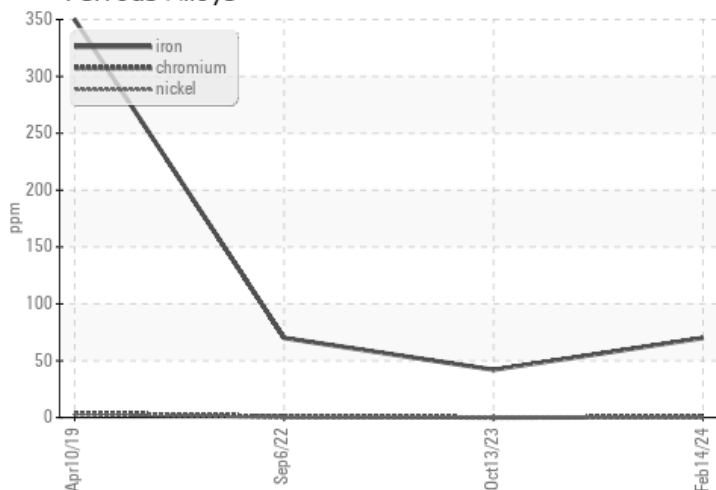
Calcium	ppm	65	60	0	14
Magnesium	ppm	2	0	0	2
Zinc	ppm	64	46	0	108
Phosphorus	ppm	2159	2135	2355	2260
Barium	ppm	0	0	0	0
Boron	ppm	0	2	2	1

Depot: JRVJOH  
Unique No: 10940919  
Signed: Wes Davis  
Report Date: 25 Mar 2024

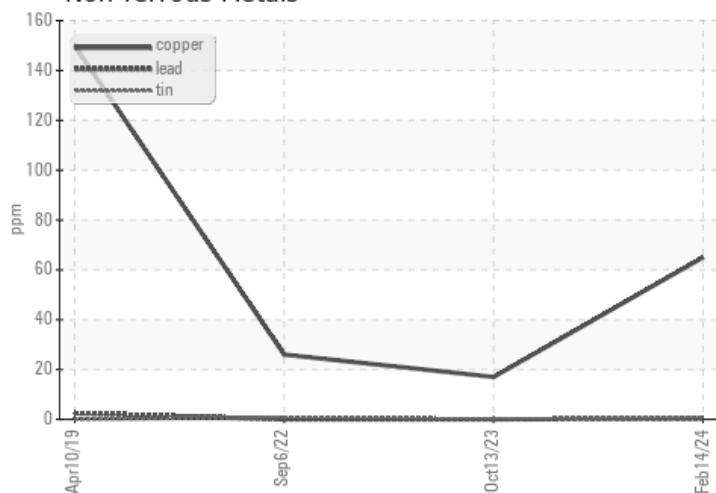


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

