

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 032994-461 - Rear Differential

Sample No: LH0264095

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0264095	LH0264104	LH0220134	LH0229351
Sample Date	20 Dec 2023	06 Jul 2023	28 Feb 2023	12 Jul 2022
Machine Hours	11060	10350	9819	8606
Oil Hours	710	500	1000	500
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	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	187	188	185	185
-------------	-----	-----	-----	-----	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	2	2	2
Sodium	ppm	3	0	2	2
Potassium	ppm	<1	2	1	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	139	110	147	89
Copper	ppm	15	15	19	13
Lead	ppm	0	0	0	0
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	<1	0	1	<1
Chromium	ppm	<1	<1	1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	<1	1	1	0
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	<1	0
Manganese	ppm	3	3	3	2
Vanadium	ppm	0	0	0	0



ADDITIVES

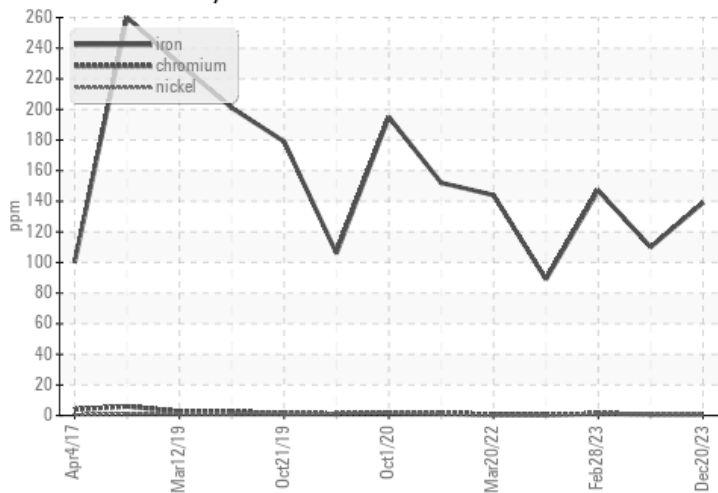
Calcium	ppm	8	6	10	10
Magnesium	ppm	1	0	<1	<1
Zinc	ppm	5	8	11	11
Phosphorus	ppm	2238	2259	2224	1938
Barium	ppm	0	0	0	<1
Boron	ppm	6	8	14	9

Depot: TTENEW
Unique No: 10817119
Signed: Don Baldrige
Report Date: 05 Jan 2024

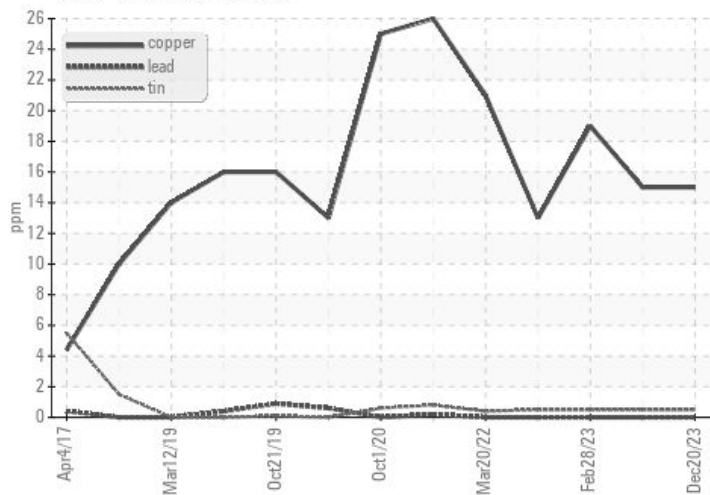


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

