

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [[ECO BLOCK]] LIEBHERR L566 032676-1168 - Rear Differential

Sample No: LH0273344

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0273344	LH0257958	LHMC104986	LHMC123962
Sample Date	26 Feb 2024	16 Aug 2023	01 Sep 2020	30 Oct 2018
Machine Hours	20859	19833	16956	14366
Oil Hours	1000	0	0	0
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	SEVERE

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#### OIL CONDITION

Visc @ 40°C	cSt	136	129	138	140.2
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#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	10	20	69
Sodium	ppm	3	5	<1	3
Potassium	ppm	<1	<1	<1	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 component. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	345	572	435	2219
Copper	ppm	4	<1	2	17
Lead	ppm	0	0	0	<1
Tin	ppm	2	0	0	0
Aluminum	ppm	<1	3	2	10
Chromium	ppm	2	4	11	38
Molybdenum	ppm	32	48	32	175
Nickel	ppm	<1	0	<1	2
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	3	6	4	24
Vanadium	ppm	<1	0	0	0



#### ADDITIVES

Calcium	ppm	4	9	11	22
Magnesium	ppm	0	2	1	5
Zinc	ppm	0	1	0	27
Phosphorus	ppm	838	2190	2243	1314
Barium	ppm	3	2	0	1
Boron	ppm	50	261	97	4

Depot: LEC0033

Unique No: 10950648

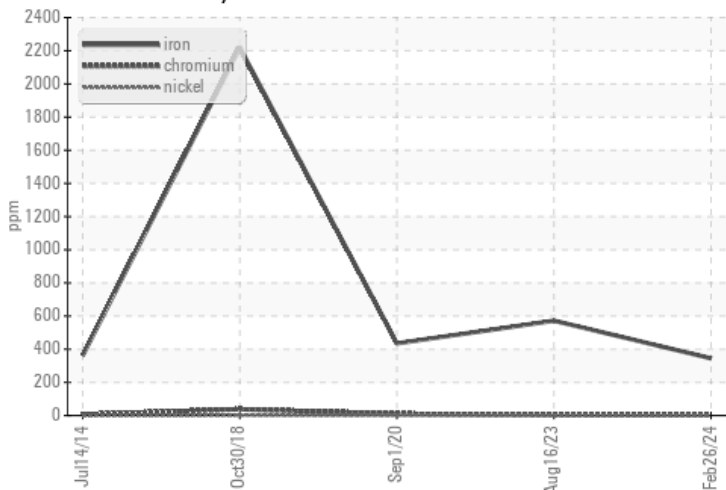
Signed: Don Baldrige

Report Date: 01 Apr 2024

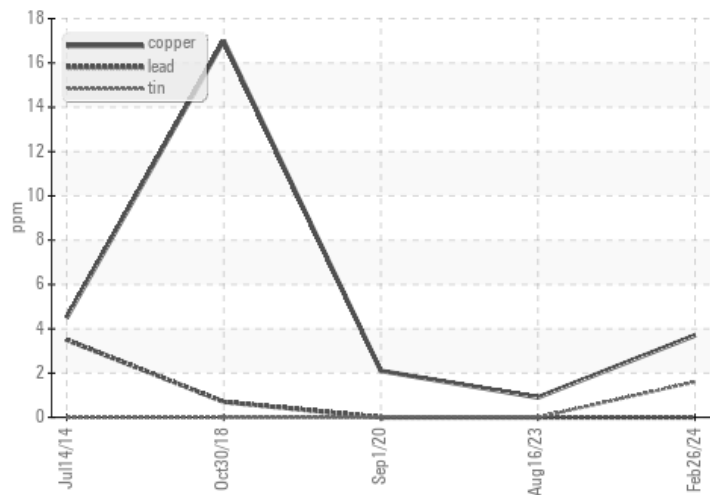


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

