

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 NOT GIVEN PCA0128568 (S/N 145582-1216) - Front Right V

Sample No: LH0273649

Oil Type: LIEBHERR GEAR BASIC 90 LS



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Sample Information

Sample Number	LH0273649	LH0272947	LH0268521	LH0243263
Sample Date	06 Jun 2024	20 Nov 2023	14 Sep 2023	15 Jun 2023
Machine Hours	3371	2062	1633	1005
Oil Hours	1000	0	1633	0
Oil Changed	Not Changd	Changed	Not Changd	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



Oil Condition

Visc @ 40°C	cSt	169	140	140	140
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Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	7	10	12	14
Sodium	ppm	10	7	9	8
Potassium	ppm	3	3	4	6



Wear Metals

Iron	ppm	49	73	70	62
Copper	ppm	12	25	25	18
Lead	ppm	<1	0	0	1
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	2	2	3	4
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	0	<1	1
Nickel	ppm	<1	0	0	<1
Titanium	ppm	<1	0	<1	1
Silver	ppm	0	0	0	0
Manganese	ppm	2	4	4	5
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	31	39	59	50
Magnesium	ppm	2	2	3	8
Zinc	ppm	45	17	38	30
Phosphorus	ppm	2051	1559	1590	1684
Barium	ppm	1	<1	0	0
Boron	ppm	17	31	35	57

Diagnosis

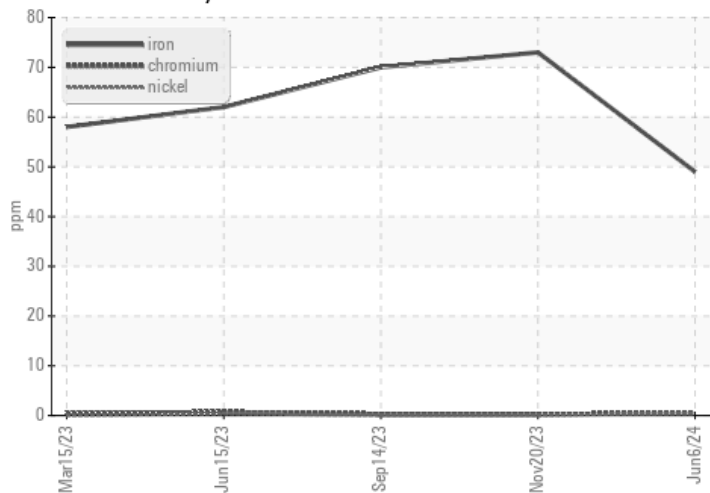
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: RECBRILH
Unique No: 11088002
Signed: Wes Davis
Report Date: 20 Jun 2024

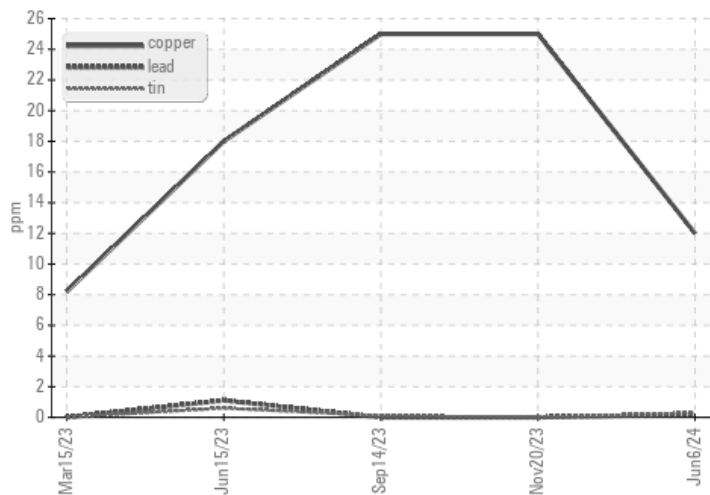


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

