

LIEBHERR

CONSTRUCTION EQUIPMENT



[[AZCON]] LIEBHERR A934C 038332-1006 - Front Left Wheel

Sample No: LH0253871

Oil Type: GEAR OIL SAE 80W90



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SAMPLE INFORMATION

Sample Number	LH0253871	VCE214973	DJJ009233	DJJ009138
Sample Date	11 Aug 2023	01 May 2019	23 Jan 2013	28 Mar 2012
Machine Hours	13950	13156	7377	6218
Oil Hours	0	0	1000	2000
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	ABNORMAL



OIL CONDITION

Visc @ 40°C	cSt	185	129	148.8	153.7
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CONTAMINATION

Silicon	ppm	3	2	3	5
Sodium	ppm	4	6	5	7
Potassium	ppm	2	21	5	0



WEAR METALS

Iron	ppm	59	178	758	623
Copper	ppm	4	4	12	9
Lead	ppm	0	0	2	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	1	<1	<1	2
Chromium	ppm	<1	<1	3	2
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	<1	1	2	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	<1	0	0
Manganese	ppm	1	3	8	7
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	28	14	20	17
Magnesium	ppm	<1	2	1	0
Zinc	ppm	26	22	74	59
Phosphorus	ppm	2115	613	1024	1029
Barium	ppm	2	0	<1	0
Boron	ppm	30	6	27	18

Diagnosis

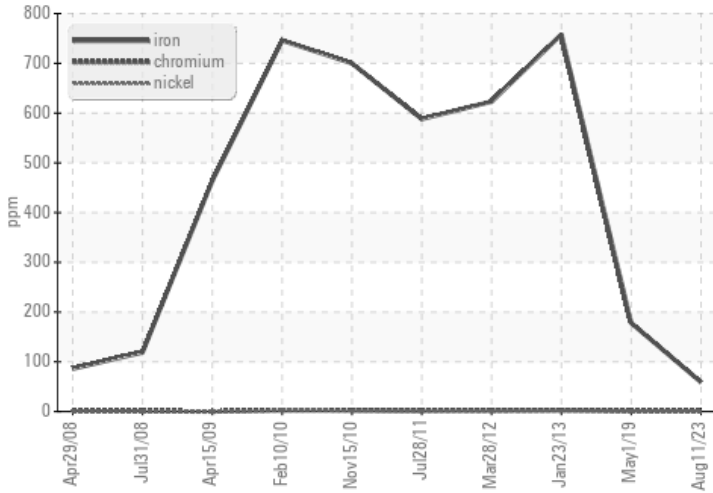
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The condition of the oil is acceptable for the time in service.

Depot: LEC0008
 Unique No: 10635467
 Signed: Don Baldrige
 Report Date: 10 Sep 2023

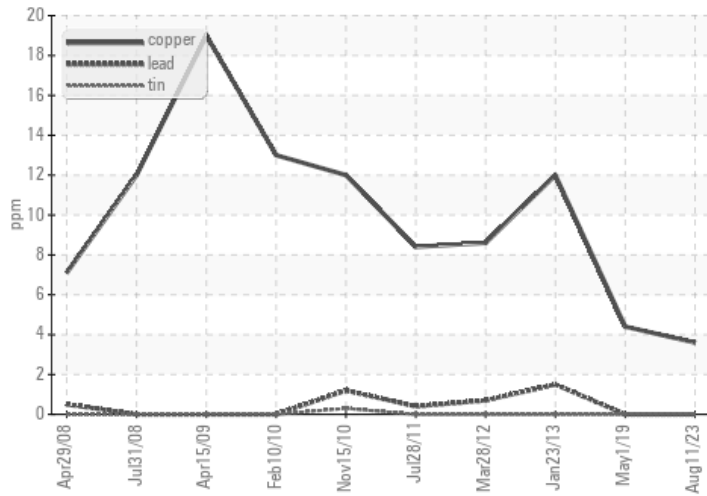


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

