

LIEBHERR

CONSTRUCTION EQUIPMENT



[[AZCON]] LIEBHERR A934C 038332-1006 - Swing Drive

Sample No: LH0253877

Oil Type: GEAR OIL SAE 80W90



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SAMPLE INFORMATION

Sample Number	LH0253877	VCE104365	DJJ007559	DJJ009696
Sample Date	11 Aug 2023	01 May 2019	23 Jan 2013	15 Aug 2012
Machine Hours	13950	13156	7377	6839
Oil Hours	0	0	500	500
Oil Changed	Not Changd	Changed	Changed	Not Changd
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	115	95.0	135.9	136.1
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CONTAMINATION

Silicon	ppm	2	4	<1	0
Sodium	ppm	<1	<1	<1	1
Potassium	ppm	<1	21	2	<1



WEAR METALS

Iron	ppm	66	961	465	378
Copper	ppm	109	114	84	54
Lead	ppm	0	<1	<1	0
Tin	ppm	6	0	2	2
Aluminum	ppm	<1	1	0	<1
Chromium	ppm	1	10	4	3
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	2	<1	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	11	4	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	4	12	44	49
Magnesium	ppm	0	2	0	<1
Zinc	ppm	52	44	21	22
Phosphorus	ppm	1372	3429	1488	1601
Barium	ppm	2	0	1	<1
Boron	ppm	9	12	133	149

Diagnosis

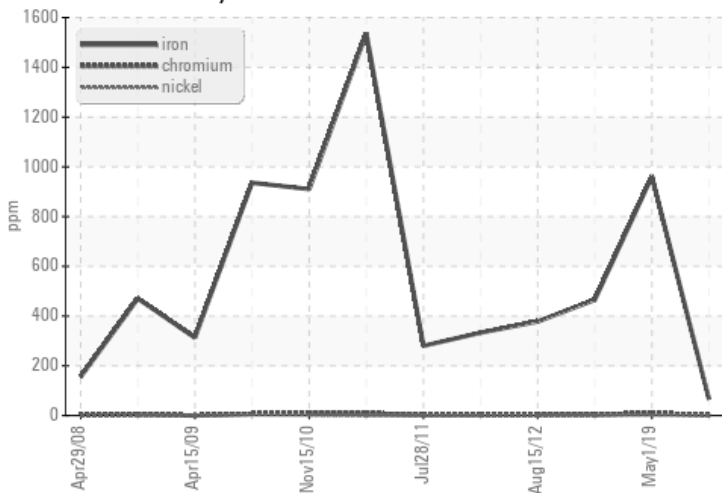
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0008
 Unique No: 10635470
 Signed: Don Baldrige
 Report Date: 10 Sep 2023

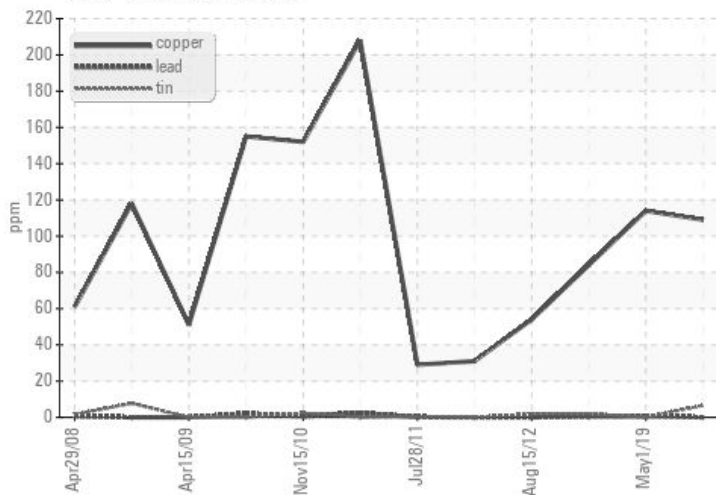


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

