

LIEBHERR

CONSTRUCTION EQUIPMENT



[[AZCON]] LIEBHERR A934C 038332-1006 - Splitter Box

Sample No: LH0253872

Oil Type: GEAR OIL SAE 75W90



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SAMPLE INFORMATION

Sample Number	LH0253872	LHMC155890	LHMC040547	LHMC047488
Sample Date	11 Aug 2023	29 Jul 2020	28 Jul 2011	24 Mar 2011
Machine Hours	13950	13723	5209	4771
Oil Hours	0	0	500	500
Oil Changed	Not Chngd	Not Chngd	Changed	Changed
Sample Status	ABNORMAL	NORMAL	ABNORMAL	ABNORMAL



OIL CONDITION

Visc @ 40°C	cSt	95.0	92.6	130.5	126.7
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CONTAMINATION

Silicon	ppm	36	30	60	96
Sodium	ppm	1	2	2	2
Potassium	ppm	13	8	5	7



WEAR METALS

Iron	ppm	502	404	319	692
Copper	ppm	2	2	1	2
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	<1	0	0
Aluminum	ppm	13	5	11	17
Chromium	ppm	8	6	4	9
Molybdenum	ppm	<1	<1	0	0
Nickel	ppm	<1	<1	<1	1
Titanium	ppm	<1	<1	<1	1
Silver	ppm	0	<1	0	0
Manganese	ppm	4	3	2	4
Vanadium	ppm	0	<1	0	<1



ADDITIVES

Calcium	ppm	82	75	76	90
Magnesium	ppm	6	6	6	6
Zinc	ppm	226	158	73	68
Phosphorus	ppm	649	615	848	915
Barium	ppm	3	<1	2	3
Boron	ppm	6	9	86	78

Diagnosis

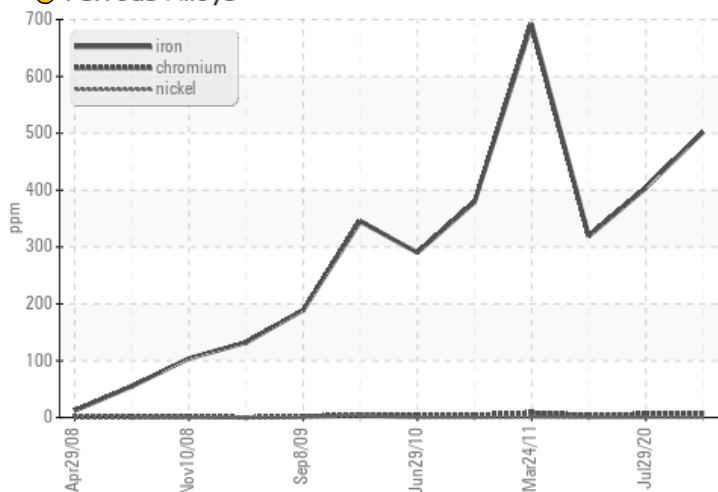
We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. Gear wear is indicated. All other component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

Depot: LEC0008
 Unique No: 10635465
 Signed: Don Baldrige
 Report Date: 10 Sep 2023

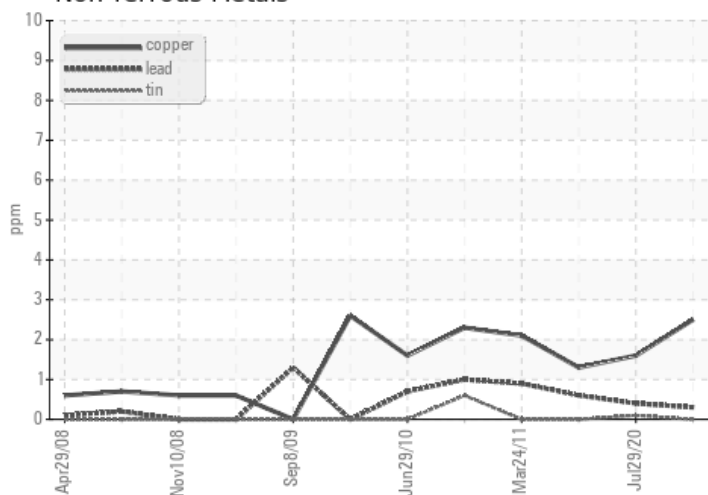


GRAPHS

● Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

