

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50 1216-123739 - Splitter Box

Sample No: LH0211712

Oil Type: MOBIL 75W90



**AHLSTROM-MUNKSJO NA SPECIALTY**  
 PO BOX 600  
 KAUKAUNA, WI  
 US 54130  
 Contact: JOE SEITZ  
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 T:  
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#### Sample Information

Sample Number	LH0211712	LH0211684	LH0211656	LH0211642
Sample Date	17 Jun 2024	31 Jan 2024	09 Aug 2023	28 Mar 2023
Machine Hours	12322	10743	8617	7200
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



#### Oil Condition

Visc @ 40°C	cSt	93.7	96.3	102	105



#### Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	1	2	<1
Sodium	ppm	1	1	0	<1
Potassium	ppm	1	0	<1	0



#### Wear Metals

Iron	ppm	9	10	9	7
Copper	ppm	6	<1	<1	<1
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	<1	0
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	0	0	0	0



#### Additives

Calcium	ppm	60	93	43	25
Magnesium	ppm	<1	2	1	3
Zinc	ppm	58	59	35	18
Phosphorus	ppm	2169	1944	2030	2033
Barium	ppm	0	0	0	0
Boron	ppm	273	325	321	328

#### Diagnosis

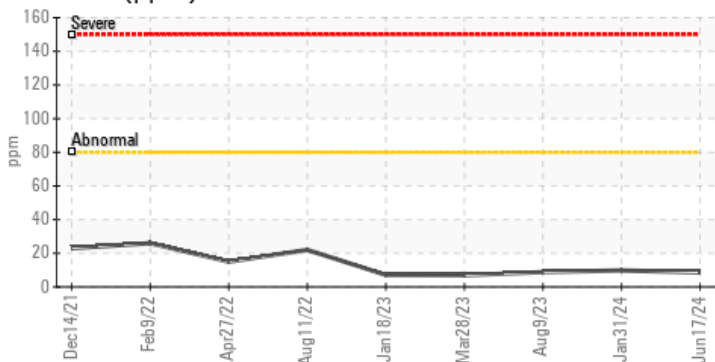
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: AHLKAU  
 Unique No: 11097166  
 Signed: Don Baldrige  
 Report Date: 26 Jun 2024

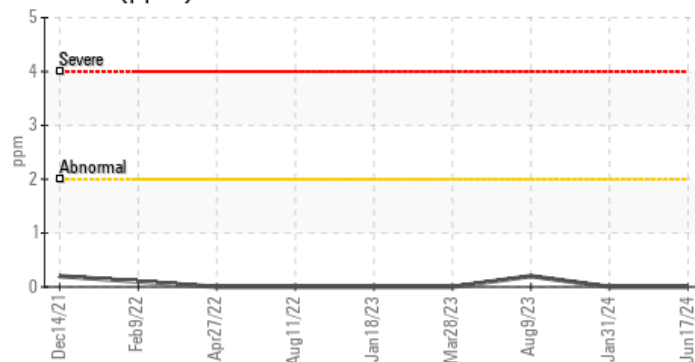


### Graphs

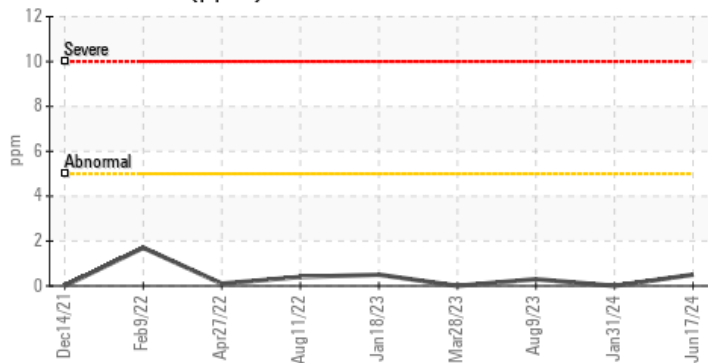
Iron (ppm)



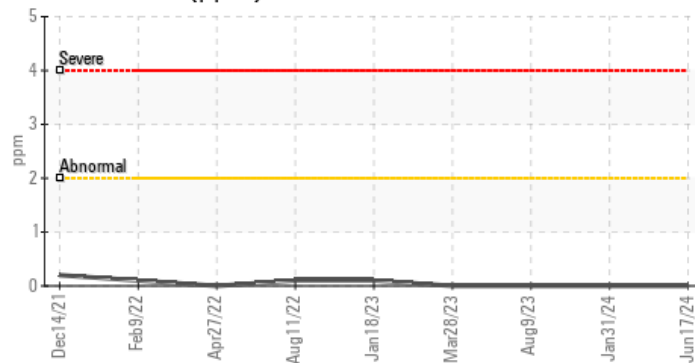
Lead (ppm)



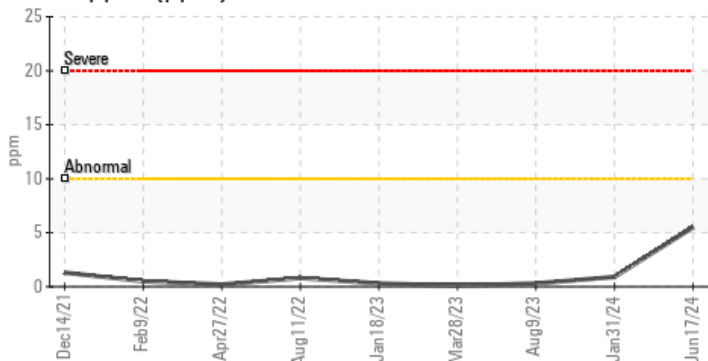
Aluminum (ppm)



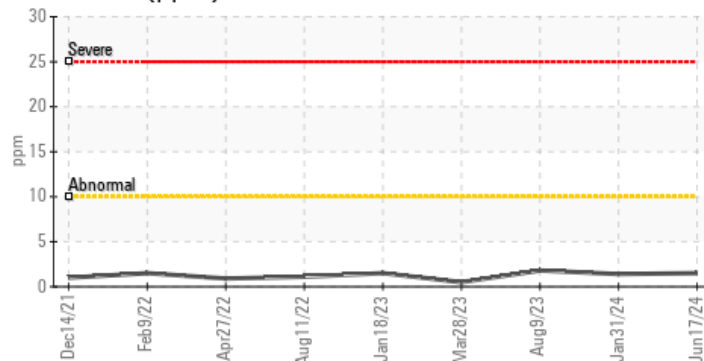
Chromium (ppm)



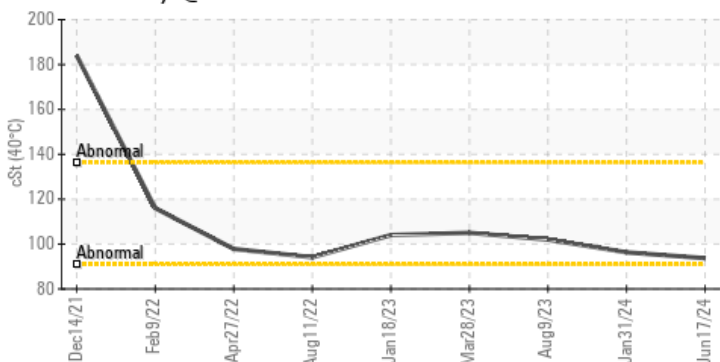
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

