

LIEBHERR

CONSTRUCTION EQUIPMENT



[Chattanooga TN] LIEBHERR LH30M GE Scrap (S/N 1253-148953) - Dies

Sample No: LH0273818
 Oil Type: LIEBHERR 15W40



RECO EQUIPMENT INC
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Sample Information

Sample Number	LH0273818	---	---	---
Sample Date	21 May 2024	---	---	---
Machine Hours	503	---	---	---
Oil Hours	503	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



Oil Condition

Visc @ 100°C	cSt	11.7	---	---	---
Base Number (BN)	mg KOH/g	3.9	---	---	---
Oxidation (PA)	%	189	---	---	---



Contamination

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	96	---	---	---
Sulfation (PA)	%	103	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	0.9	---	---	---
Silicon	ppm	9	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	<1	---	---	---



Wear Metals

Iron	ppm	13	---	---	---
Copper	ppm	278	---	---	---
Lead	ppm	4	---	---	---
Tin	ppm	2	---	---	---
Aluminum	ppm	4	---	---	---
Chromium	ppm	2	---	---	---
Molybdenum	ppm	43	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	<1	---	---	---



Additives

Calcium	ppm	1469	---	---	---
Magnesium	ppm	912	---	---	---
Zinc	ppm	867	---	---	---
Phosphorus	ppm	735	---	---	---
Barium	ppm	37	---	---	---
Boron	ppm	89	---	---	---

Diagnosis

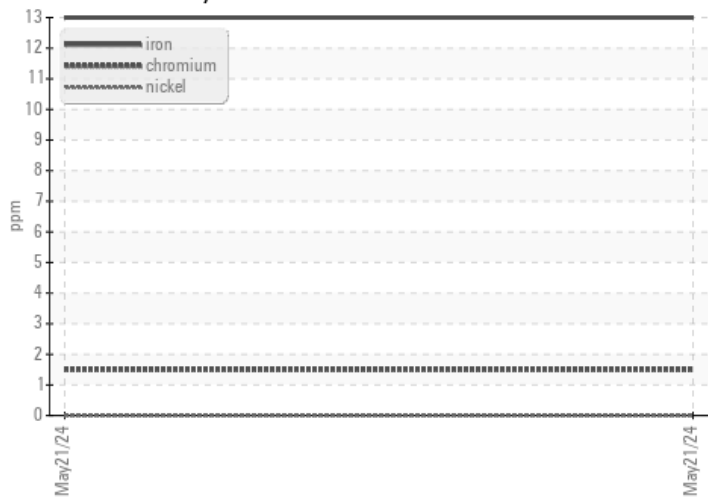
Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Depot: RECLOU
 Unique No: 11045586
 Signed: Don Baldrige
 Report Date: 28 May 2024

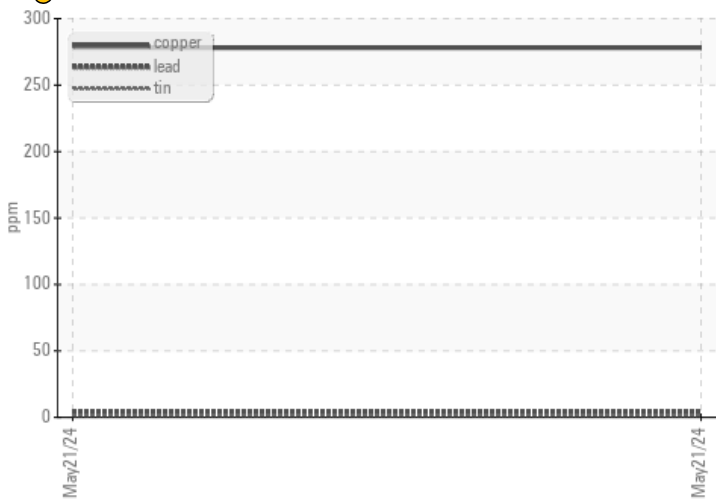


Graphs

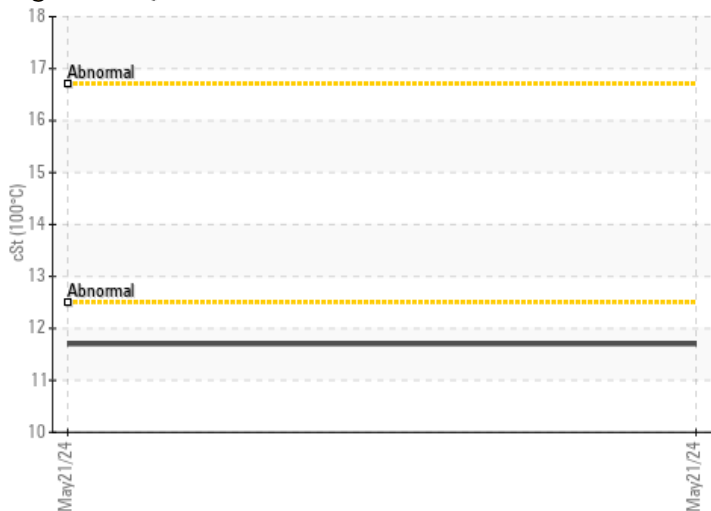
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

