

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH110C 115021-1228 - Diesel Engine

Sample No: LH0273243

Oil Type: LIEBHERR



RECO EQUIPMENT INC.

41245 RECO RD

BELMONT, OH

US 43718

Contact: GABE PERLMAN

gperlman@recoequip.com

T:

F: (740)782-1020



Sample Information

Sample Number	LH0273243	---	---	---
Sample Date	24 May 2024	---	---	---
Machine Hours	8630	---	---	---
Oil Hours	50	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



Oil Condition

Visc @ 100°C	cSt	12.2	---	---	---
Base Number (BN)	mg KOH/g	15.9	---	---	---
Oxidation (PA)	%	41	---	---	---



Contamination

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	75	---	---	---
Sulfation (PA)	%	39	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	0.5	---	---	---
Silicon	ppm	12	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	4	---	---	---



Wear Metals

Iron	ppm	8	---	---	---
Copper	ppm	6	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	13	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	<1	---	---	---



Additives

Calcium	ppm	3921	---	---	---
Magnesium	ppm	171	---	---	---
Zinc	ppm	1170	---	---	---
Phosphorus	ppm	1019	---	---	---
Barium	ppm	26	---	---	---
Boron	ppm	228	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: LEC0071

Unique No: 11069877

Signed: Sean Felton

Report Date: 11 Jun 2024

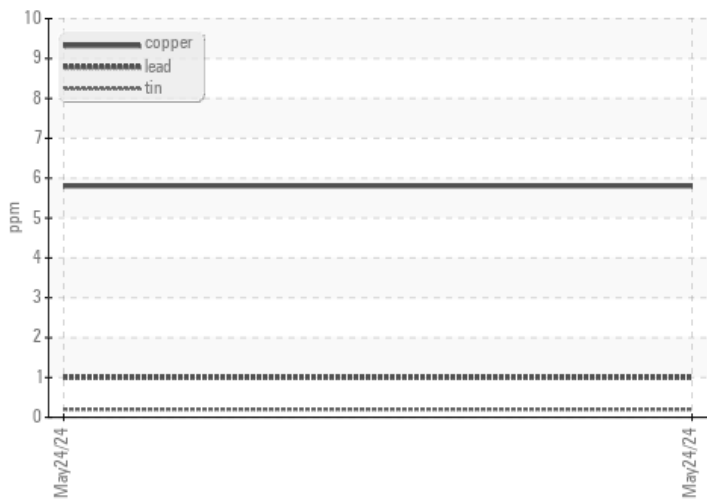


Graphs

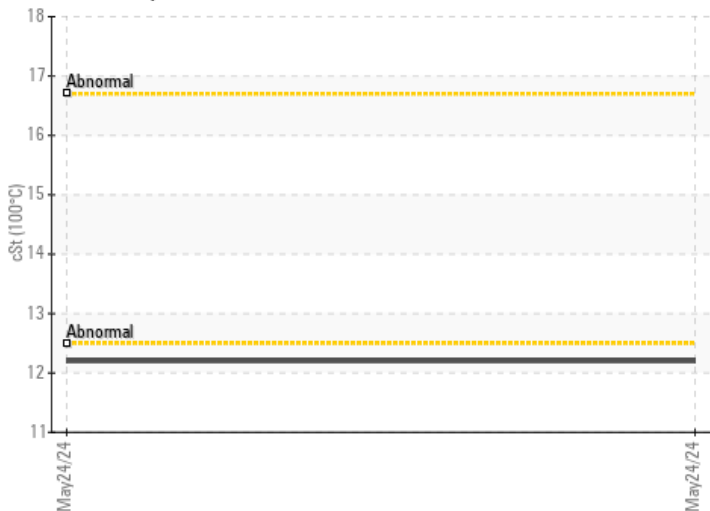
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

