

LIEBHERR

CONSTRUCTION EQUIPMENT



[[SCRAP 58]] LIEBHERR LH26M 110210-1252 - Diesel Engine

Sample No: LH0273582

Oil Type: LIEBHERR MOTOROIL 5W-30 LOW ASH



LIEBHERR EQUIPMENT SOURCE
 10119 RESIDENCY ROAD
 MANASSAS, VA
 US 20110
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Sample Information

Sample Number	LH0273582	LH0258152	---	---
Sample Date	10 May 2024	17 Jul 2023	---	---
Machine Hours	9388	7947	---	---
Oil Hours	0	7947	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ATTENTION	NORMAL	---	---



Oil Condition

Visc @ 100°C	cSt	14.4	13.4	---	---
Base Number (BN)	mg KOH/g	5.8	6.3	---	---
Oxidation (PA)	%	109	86	---	---



Contamination

Water	%	NEG	NEG	---	---
Soot %	%	0.2	0.1	---	---
Nitration (PA)	%	102	103	---	---
Sulfation (PA)	%	75	69	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	8	6	---	---
Sodium	ppm	3	3	---	---
Potassium	ppm	4	4	---	---



Wear Metals

Iron	ppm	32	21	---	---
Copper	ppm	8	1	---	---
Lead	ppm	5	2	---	---
Tin	ppm	1	0	---	---
Aluminum	ppm	3	3	---	---
Chromium	ppm	2	<1	---	---
Molybdenum	ppm	41	24	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	1	<1	---	---
Vanadium	ppm	<1	0	---	---



Additives

Calcium	ppm	1319	1503	---	---
Magnesium	ppm	950	675	---	---
Zinc	ppm	1226	1027	---	---
Phosphorus	ppm	1085	850	---	---
Barium	ppm	0	0	---	---
Boron	ppm	11	37	---	---

Diagnosis

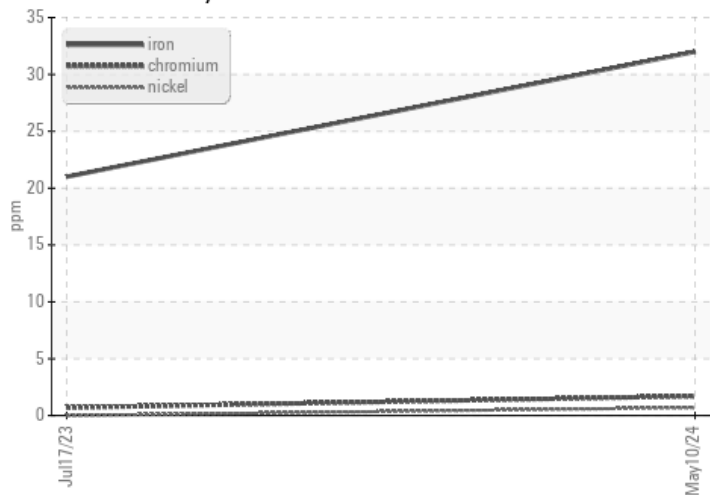
The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is higher than normal. The BN result indicates that there is suitable alkalinity remaining in the oil.

Depot: LIEBHERRVA
Unique No: 11044146
Signed: Don Baldrige
Report Date: 24 May 2024

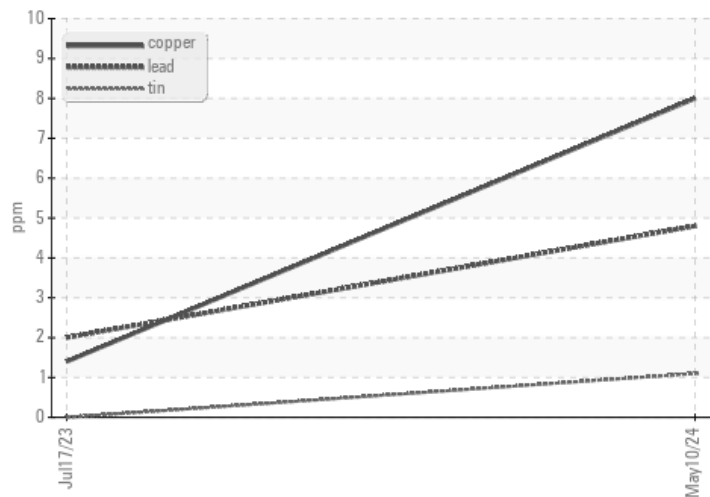


Graphs

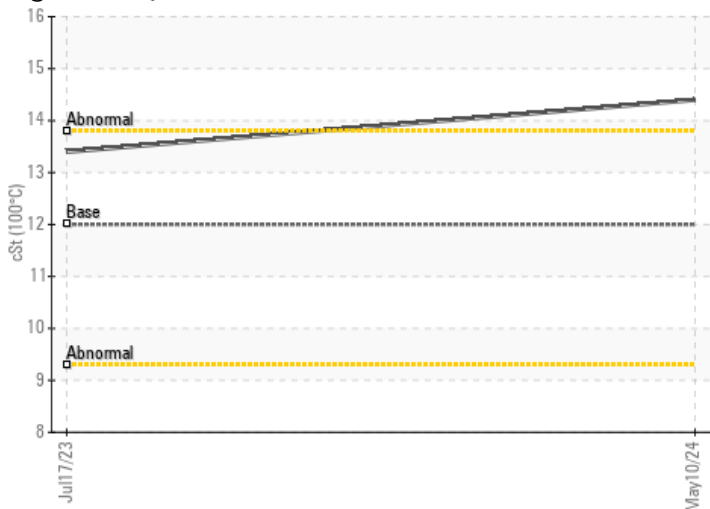
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

