

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### 145797-1218 LIEBHERR LH80M 145797-1218 - Diesel Engine

Sample No: LH0259159

Oil Type: DIESEL ENGINE OIL 10W40



TEXAS PORT RECYCLING - HOUSTON PORT  
8945 MANCHESTER ST  
HOUSTON, TX  
US 77012  
Contact: Dale Shaw  
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#### Sample Information

Sample Number	LH0259159	---	---	---
Sample Date	09 Apr 2024	---	---	---
Machine Hours	1579	---	---	---
Oil Hours	250	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



#### Oil Condition

Visc @ 100°C	cSt	13.4	---	---	---
Base Number (BN)	mg KOH/g	8.7	---	---	---
Oxidation (PA)	%	78	---	---	---



#### Contamination

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	78	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	7	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	7	---	---	---



#### Wear Metals

Iron	ppm	3	---	---	---
Copper	ppm	<1	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---



#### Additives

Calcium	ppm	1354	---	---	---
Magnesium	ppm	834	---	---	---
Zinc	ppm	929	---	---	---
Phosphorus	ppm	821	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	127	---	---	---

#### Diagnosis

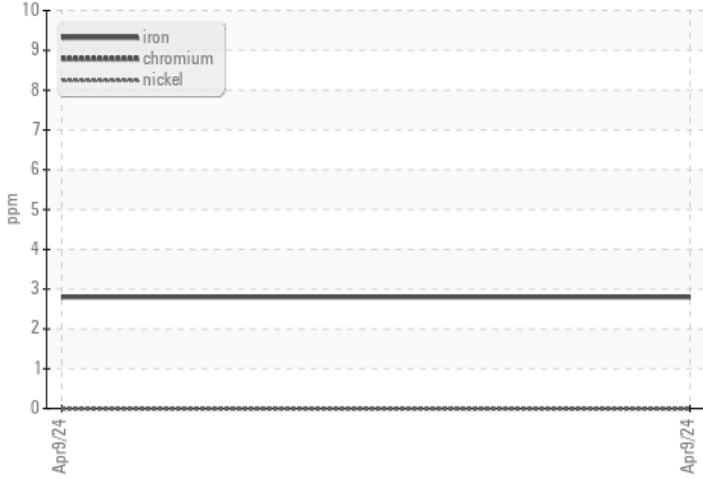
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Depot: TEXHOUWC  
Unique No: 11087306  
Signed: Don Baldrige  
Report Date: 21 Jun 2024

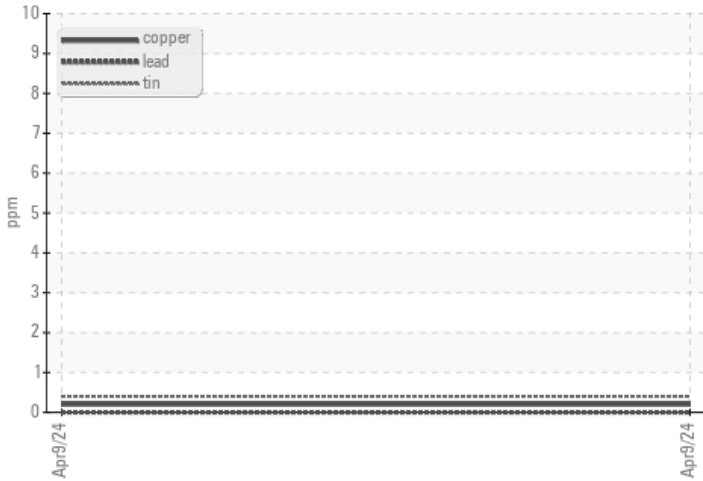


### Graphs

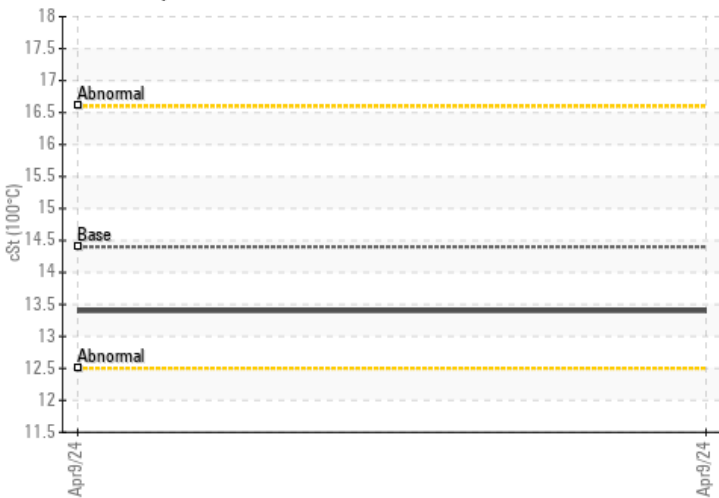
#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 100°C



#### Base Number

