

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R926K-LC 052750-1827 - Diesel Engine

Sample No: LH0264797

Oil Type: LIEBHERR



Sample Information

Sample Number	LH0264797	---	---	---
Sample Date	17 Apr 2024	---	---	---
Machine Hours	540	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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 US 54401
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Oil Condition

Visc @ 100°C	cSt	12.2	---	---	---
Base Number (BN)	mg KOH/g	5.4	---	---	---
Oxidation (PA)	%	166	---	---	---

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Fuel content negligible. Elemental level of silicon (Si) above normal indicating ingress of seal material. 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.



Contamination

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	83	---	---	---
Sulfation (PA)	%	95	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	0.4	---	---	---
Silicon	ppm	53	---	---	---
Sodium	ppm	5	---	---	---
Potassium	ppm	3	---	---	---



Wear Metals

Iron	ppm	26	---	---	---
Copper	ppm	74	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	4	---	---	---
Chromium	ppm	2	---	---	---
Molybdenum	ppm	36	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	4	---	---	---
Vanadium	ppm	<1	---	---	---



Additives

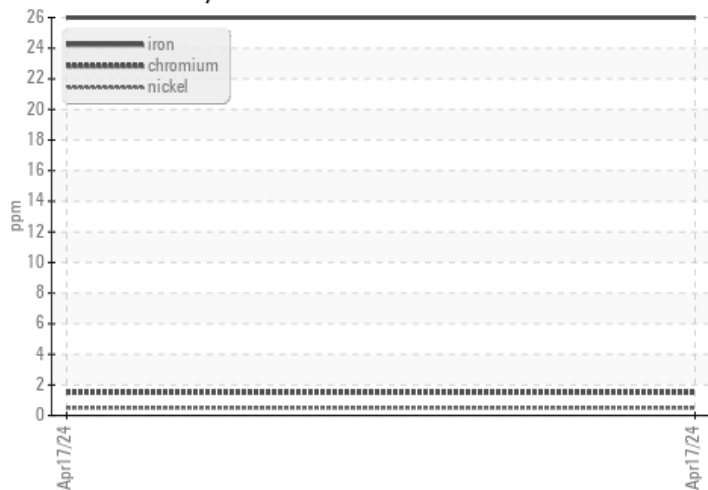
Calcium	ppm	1724	---	---	---
Magnesium	ppm	701	---	---	---
Zinc	ppm	906	---	---	---
Phosphorus	ppm	762	---	---	---
Barium	ppm	4	---	---	---
Boron	ppm	125	---	---	---

Depot: LEC0008
Unique No: 11004549
Signed: Don Baldrige
Report Date: 03 May 2024



Graphs

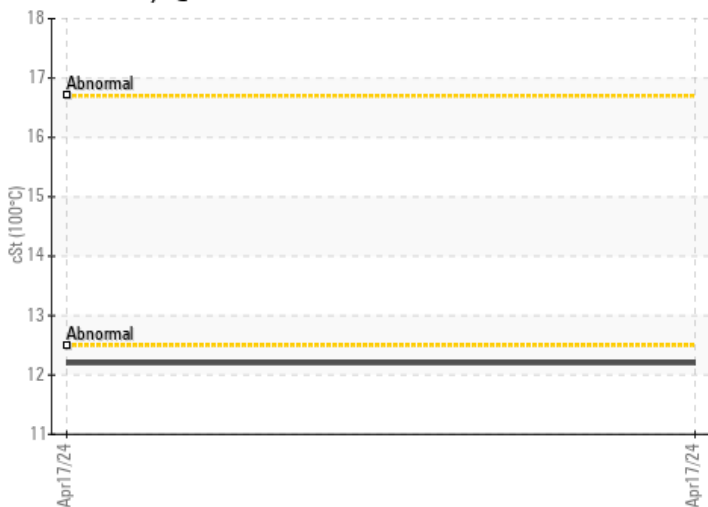
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

