

LIEBHERR

CONSTRUCTION EQUIPMENT



[[FOUNDATION SERVICES]] LIEBHERR LRB18 110900 - Diesel Engine

Sample No: LH06061835

Oil Type: DIESEL ENGINE OIL SAE 5W40



SAMPLE INFORMATION

Sample Number	LH06061835	---	---	---
Sample Date	22 Dec 2023	---	---	---
Machine Hours	2017	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

FINKBINER EQUIPMENT CO.
 15 W 400 N FRONTAGE RD
 BURR RIDGE, IL
 US 60527
 Contact: TROY MILLER
 tmiller@finkbiner.com
 T: (630)654-3700
 F: (630)654-3792



OIL CONDITION

Visc @ 100°C	cSt	14.4	---	---	---
Base Number (BN)	mg KOH/g	7.2	---	---	---
Oxidation (PA)	%	54	---	---	---

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 suitable for further service.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	73	---	---	---
Sulfation (PA)	%	51	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	7	---	---	---
Sodium	ppm	1	---	---	---
Potassium	ppm	9	---	---	---



WEAR METALS

Iron	ppm	4	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	3	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	4	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	1346	---	---	---
Magnesium	ppm	687	---	---	---
Zinc	ppm	859	---	---	---
Phosphorus	ppm	737	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	83	---	---	---

Depot: LEC0033
 Unique No: 10833217
 Signed: Wes Davis
 Report Date: 18 Jan 2024



GRAPHS

