

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60 102201 - Diesel Engine

Sample No: LH0234817

Oil Type: SAE 10W40



SAMPLE INFORMATION

Sample Number	LH0234817	---	---	---
Sample Date	14 Jul 2022	---	---	---
Machine Hours	10036	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

BENMET STEEL & METAL
 3961 ROAD 111
 STRATFORD, ON
 CA N5A 6S5
 Contact: Service Manager



OIL CONDITION

Visc @ 100°C	cSt	12.9	---	---	---
Oxidation (PA)	%	113	---	---	---

T:
F:



CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	108	---	---	---
Sulfation (PA)	%	71	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	8	---	---	---
Sodium	ppm	5	---	---	---
Potassium	ppm	2	---	---	---

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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	7	---	---	---
Copper	ppm	5	---	---	---
Lead	ppm	2	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	59	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1076	---	---	---
Magnesium	ppm	1060	---	---	---
Zinc	ppm	1242	---	---	---
Phosphorus	ppm	1022	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	26	---	---	---

Depot: BEN396STR
Unique No: 5425350
Signed: Kevin Marson
Report Date: 19 Jul 2022



GRAPHS

