

LIEBHERR

CONSTRUCTION EQUIPMENT



[BEN-MET STEEL [573784]] LIEBHERR LH60C 102201-1528 - Diesel

Sample No: LH0256991
 Oil Type: DIESEL ENGINE OIL SAE 15W40



LIEBHERR CANADA LTD.
 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
 Contact: Joseph Rodgers
 joseph.rodgers@liebherr.com
 T: (905)319-9222
 F: (905)319-6622



SAMPLE INFORMATION

Sample Number	LH0256991	---	---	---
Sample Date	10 Aug 2023	---	---	---
Machine Hours	12158	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	16.4	---	---	---
Oxidation (PA)	%	150	---	---	---



CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	149	---	---	---
Sulfation (PA)	%	83	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	5	---	---	---
Sodium	ppm	6	---	---	---
Potassium	ppm	2	---	---	---



WEAR METALS

Iron	ppm	14	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	2	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	3	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	65	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1647	---	---	---
Magnesium	ppm	691	---	---	---
Zinc	ppm	1209	---	---	---
Phosphorus	ppm	1055	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	31	---	---	---

Diagnosis

We advise that you check for faulty combustion and a possible overheat condition. We recommend that you drain the oil from the component if this has not already been done. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. A small degree of oil oxidation was indicated. The oil is no longer serviceable.

Depot: LIEMIS
 Unique No: 5620619
 Signed: Kevin Marson
 Report Date: 14 Aug 2023



GRAPHS

