

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60C T12560-1528 - Diesel Engine

Sample No: LH0225014

Oil Type: DIESEL ENGINE OIL SAE 40



SAMPLE INFORMATION

Sample Number	LH0225014	---	---	---
Sample Date	28 May 2023	---	---	---
Machine Hours	12473	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

EMSCO

1810 INDUSTRIAL DR
REGINA, SK
CA S4K 0A6
Contact: Service Manager
ctweddle@emsco.ca

T:
F:



OIL CONDITION

Visc @ 100°C	cSt	14.4	---	---	---
Oxidation (PA)	%	95	---	---	---



CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	103	---	---	---
Sulfation (PA)	%	66	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	4	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	1	---	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.

All component wear rates are normal. The water content is negligible. 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	10	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	52	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1233	---	---	---
Magnesium	ppm	826	---	---	---
Zinc	ppm	1206	---	---	---
Phosphorus	ppm	1069	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	12	---	---	---

Depot: EMSREG
Unique No: 5619861
Signed: Wes Davis
Report Date: 09 Aug 2023



GRAPHS

