

LIEBHERR

CONSTRUCTION EQUIPMENT



[(369353)] LIEBHERR LH30M 136880-1253 - Diesel Engine

Sample No: LH0260668

Oil Type: PETRO CANADA 10W40



West Coast Metal Recycling
 5771 Production Way
 Langley, BC
 CA V3A 4N5
 Contact: Terry .
 terry@gotmetal.ca
 T:
 F:



SAMPLE INFORMATION

Sample Number	LH0260668	LH0226442	---	---
Sample Date	27 Jul 2023	13 Feb 2023	---	---
Machine Hours	3963	2833	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---



OIL CONDITION

Visc @ 100°C	cSt	13.1	13.1	---	---
Oxidation (PA)	%	93	211	---	---



CONTAMINATION

Soot %	%	0	0	---	---
Nitration (PA)	%	88	143	---	---
Sulfation (PA)	%	68	108	---	---
Glycol	%	NEG	0.0	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	8	7	---	---
Sodium	ppm	2	4	---	---
Potassium	ppm	<1	2	---	---



WEAR METALS

Iron	ppm	9	33	---	---
Copper	ppm	19	155	---	---
Lead	ppm	1	12	---	---
Tin	ppm	<1	2	---	---
Aluminum	ppm	1	3	---	---
Chromium	ppm	<1	2	---	---
Molybdenum	ppm	66	60	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1359	1594	---	---
Magnesium	ppm	789	690	---	---
Zinc	ppm	1172	1025	---	---
Phosphorus	ppm	1002	896	---	---
Barium	ppm	2	21	---	---
Boron	ppm	11	33	---	---

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.

Depot: WES577LAN
 Unique No: 5632380
 Signed: Wes Davis
 Report Date: 30 Aug 2023



GRAPHS

