

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 107906 - Diesel Engine

Sample No: LH
 Oil Type: {unknown}



LIEBHERR CANADA
 10 LYNDS AVENUE
 MONCTON, NB
 CA E1H 3K2
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Sample Information

Sample Number	LH	LH	LH0250242	---
Sample Date	17 Jun 2024	12 Apr 2023	09 Jan 2023	---
Machine Hours	3725	3721	3715	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	Not Changd	---
Sample Status	ABNORMAL	MARGINAL	ABNORMAL	---



Oil Condition

Visc @ 100°C	cSt	11.6	11.7	11.5	---
Oxidation (PA)	%	67	104	106	---



Contamination

Water	%	NEG	NEG	NEG	---
Soot %	%	0	0	0	---
Nitration (PA)	%	57	130	129	---
Sulfation (PA)	%	53	80	76	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	0.0	2.4	2.4	---
Silicon	ppm	10	16	13	---
Sodium	ppm	4	5	4	---
Potassium	ppm	<1	0	8	---



Wear Metals

Iron	ppm	3	23	19	---
Copper	ppm	3	16	15	---
Lead	ppm	0	4	3	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	<1	4	4	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	55	20	18	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	<1	<1	0	---
Manganese	ppm	<1	2	1	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	802	1297	1273	---
Magnesium	ppm	1019	861	843	---
Zinc	ppm	1108	958	905	---
Phosphorus	ppm	978	874	846	---
Barium	ppm	<1	3	2	---
Boron	ppm	59	34	34	---

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Tests indicate that there is no fuel present in the oil. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: LIEMON
 Unique No: 5800376
 Signed: Kevin Marson
 Report Date: 21 Jun 2024



Graphs

