

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 153712-1253 - Diesel Engine

Sample No: LH

Oil Type: PETRO CANADA DURON UHP 5W30



Innovation Industrielle Boivin Inc.
 2205 de la Fonderie
 Chicoutimi, QC
 CA G7H 8B9
 Contact: Service Manager



SAMPLE INFORMATION

Sample Number	LH	---	---	---
Sample Date	14 Dec 2023	---	---	---
Machine Hours	500	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	11.6	---	---	---
Oxidation (PA)	%	199	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0	---	---	---
Nitration (PA)	%	96	---	---	---
Sulfation (PA)	%	108	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	8	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	2	---	---	---



WEAR METALS

Iron	ppm	8	---	---	---
Copper	ppm	282	---	---	---
Lead	ppm	10	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	45	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1435	---	---	---
Magnesium	ppm	880	---	---	---
Zinc	ppm	894	---	---	---
Phosphorus	ppm	757	---	---	---
Barium	ppm	31	---	---	---
Boron	ppm	105	---	---	---

T:
F:

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: INN220CHI
 Unique No: 5696828
 Signed: Kevin Marson
 Report Date: 18 Dec 2023



GRAPHS

