

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 153712-1253 - Transmission (Manual)

Sample No: LH

Oil Type: PETRO CANADA DURON SHP 10W30



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



Sample Information

Sample Number	LH	LH	---	---
Sample Date	30 Apr 2024	14 Dec 2023	---	---
Machine Hours	1001	500	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---



Oil Condition

Visc @ 40°C	cSt	52.2	48.8	---	---
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Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	3	4	---	---
Sodium	ppm	26	40	---	---
Potassium	ppm	21	2	---	---



Wear Metals

Iron	ppm	19	21	---	---
Copper	ppm	21	26	---	---
Lead	ppm	0	1	---	---
Tin	ppm	<1	1	---	---
Aluminum	ppm	2	3	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	29	0	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	37	57	---	---
Vanadium	ppm	0	0	---	---



Additives

Calcium	ppm	2315	3457	---	---
Magnesium	ppm	465	8	---	---
Zinc	ppm	1145	1152	---	---
Phosphorus	ppm	1084	1081	---	---
Barium	ppm	<1	1	---	---
Boron	ppm	3	4	---	---

T:
F:

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. The fluid was specified as PETRO CANADA DURON SHP 10W30, however, a fluid match indicates that this fluid is SAE 20 Diesel Engine Oil. Please confirm the fluid type and grade on your next sample. All component wear rates are normal. There is no indication of any contamination in the fluid. Viscosity of sample indicates oil is within SAE 20 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the fluid is acceptable for the time in service.

Depot: INN220CHI
 Unique No: 5774399
 Signed: Kevin Marson
 Report Date: 03 May 2024

Submitted By: Marie-Eve Belley



Graphs

