

LIEBHERR

CONSTRUCTION EQUIPMENT



TH-05 - Diesel Engine

Sample No: LH
 Oil Type: {unknown}



Sample Information

Sample Number	LH	---	---	---
Sample Date	29 Apr 2024	---	---	---
Machine Hours	2267	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

COUNTY OF ST. PAUL NO. 19
 5015 - 49 AVENUE
 ST. PAUL, AB
 CA T0A 3A4
 Contact: Brent Lilje
 blilje@county.stpaul.ab.ca
 T: (780)645-3006
 F:



Oil Condition

Visc @ 100°C	cSt	12.6	---	---	---
Oxidation (PA)	%	142	---	---	---



Contamination

Water	%	NEG	---	---	---
Soot %	%	0	---	---	---
Nitration (PA)	%	75	---	---	---
Sulfation (PA)	%	84	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	0.0	---	---	---
Silicon	ppm	7	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	2	---	---	---



Wear Metals

Iron	ppm	2	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	103	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



Additives

Calcium	ppm	2158	---	---	---
Magnesium	ppm	14	---	---	---
Zinc	ppm	1108	---	---	---
Phosphorus	ppm	974	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	121	---	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 40 Diesel Engine Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample. Please specify the component make and model with 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. The condition of the oil is acceptable for the time in service.

Depot: COU501STP
 Unique No: 5776326
 Signed: Kevin Marson
 Report Date: 15 May 2024



Graphs

