

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 120737-1216 - Transmission (Manual)

Sample No: LH0173866

Oil Type: HANOLINE LS 80W90



SAMPLE INFORMATION

Sample Number	LH0173866	---	---	---
Sample Date	14 Dec 2020	---	---	---
Machine Hours	1058	---	---	---
Oil Hours	1058	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

STAIMAN RECYCLING

201 HEPBURN ST
WILLIAMSPORT, PA
US 17701
Contact: JOE MARKLEY
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T: (570)419-5479
F:



OIL CONDITION

Visc @ 40°C	cSt	48.5	---	---	---
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CONTAMINATION

Silicon	ppm	4	---	---	---
Sodium	ppm	33	---	---	---
Potassium	ppm	4	---	---	---

Diagnosis

The fluid change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The fluid viscosity is lower than normal. Confirm oil type.



WEAR METALS

Iron	ppm	33	---	---	---
Copper	ppm	46	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	2	---	---	---
Aluminum	ppm	0	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	53	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	3648	---	---	---
Magnesium	ppm	13	---	---	---
Zinc	ppm	1190	---	---	---
Phosphorus	ppm	1178	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	4	---	---	---

Depot: STAWILLH
Unique No: 9305947
Signed: Don Baldrige
Report Date: 29 Dec 2020



GRAPHS

