

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 120737-1216 - Rear Differential

Sample No: LH0167301

Oil Type: TEXACO HAVOLINE GEAR OIL 80W90



SAMPLE INFORMATION

Sample Number	LH0167301	LHMC110862	LH0173864	---
Sample Date	21 Jan 2022	15 Apr 2021	14 Dec 2020	---
Machine Hours	4199	2044	1058	---
Oil Hours	1103	986	1058	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	ABNORMAL	NORMAL	---

STAIMAN RECYCLING

201 HEPBURN ST
WILLIAMSPORT, PA
US 17701
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F:



OIL CONDITION

Visc @ 40°C	cSt	138	150	143	---
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CONTAMINATION

Silicon	ppm	4	4	13	---
Sodium	ppm	2	2	4	---
Potassium	ppm	0	0	<1	---



WEAR METALS

Iron	ppm	36	23	33	---
Copper	ppm	27	16	52	---
Lead	ppm	0	<1	<1	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	1	<1	0	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	10	10	3	---
Nickel	ppm	0	0	0	---
Titanium	ppm	1	<1	<1	---
Silver	ppm	<1	0	0	---
Manganese	ppm	1	<1	2	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	57	105	223	---
Magnesium	ppm	27	16	4	---
Zinc	ppm	64	63	57	---
Phosphorus	ppm	518	697	2099	---
Barium	ppm	0	0	<1	---
Boron	ppm	36	15	7	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: STAWILLH
Unique No: 9829352
Signed: Jonathan Hester
Report Date: 01 Feb 2022



GRAPHS

