

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 120737-1216 - Right Wheel Hub

Sample No: LH0167297

Oil Type: TEXACO HAVOLINE GEAR OIL 80W90



SAMPLE INFORMATION

Sample Number	LH0167297	LHMC110875	LHMC110872	---
Sample Date	21 Jan 2022	15 Apr 2021	15 Apr 2021	---
Machine Hours	4199	2044	2044	---
Oil Hours	1103	986	986	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

STAIMAN RECYCLING

201 HEPBURN ST
WILLIAMSPORT, PA
US 17701
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F:



OIL CONDITION

Visc @ 40°C	cSt	140	149	146	---
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CONTAMINATION

Silicon	ppm	4	4	14	---
Sodium	ppm	2	3	6	---
Potassium	ppm	0	0	0	---



WEAR METALS

Iron	ppm	37	21	49	---
Copper	ppm	25	15	12	---
Lead	ppm	<1	0	0	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	1	<1	2	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	10	10	9	---
Nickel	ppm	0	0	0	---
Titanium	ppm	1	<1	<1	---
Silver	ppm	<1	0	0	---
Manganese	ppm	1	<1	1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	58	104	134	---
Magnesium	ppm	28	16	14	---
Zinc	ppm	65	59	62	---
Phosphorus	ppm	491	691	1059	---
Barium	ppm	0	0	0	---
Boron	ppm	34	15	16	---

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: 9829354
Signed: Jonathan Hester
Report Date: 01 Feb 2022



GRAPHS

