

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 120737-1216 - Right Wheel Hub

Sample No: LH0167298

Oil Type: TEXACO HAVOLINE GEAR OIL 80W90



STAIMAN RECYCLING
 201 HEPBURN ST
 WILLIAMSPORT, PA
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SAMPLE INFORMATION

Sample Number	LH0167298	LH0167297	LHMC110875	LHMC110872
Sample Date	21 Jan 2022	21 Jan 2022	15 Apr 2021	15 Apr 2021
Machine Hours	4199	4199	2044	2044
Oil Hours	1103	1103	986	986
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	146	140	149	146
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CONTAMINATION

Silicon	ppm	8	4	4	14
Sodium	ppm	5	2	3	6
Potassium	ppm	0	0	0	0



WEAR METALS

Iron	ppm	91	37	21	49
Copper	ppm	12	25	15	12
Lead	ppm	<1	<1	0	0
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	1	1	<1	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	9	10	10	9
Nickel	ppm	0	0	0	0
Titanium	ppm	1	1	<1	<1
Silver	ppm	<1	<1	0	0
Manganese	ppm	2	1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	68	58	104	134
Magnesium	ppm	26	28	16	14
Zinc	ppm	105	65	59	62
Phosphorus	ppm	642	491	691	1059
Barium	ppm	0	0	0	0
Boron	ppm	31	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: 9829356
Signed: Jonathan Hester
Report Date: 01 Feb 2022



GRAPHS

