

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60C 1528-132602 - Right Final Drive

Sample No: LH0210068

Oil Type: TEXACO HAVOLINE GEAR OIL 80W90



STAIMAN RECYCLING

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



SAMPLE INFORMATION

Sample Number	LH0210068	LH0210059	LH0210050	LH0210041
Sample Date	22 Sep 2023	04 Apr 2023	06 Jan 2023	24 May 2022
Machine Hours	5266	4009	3384	1995
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	SEVERE	ABNORMAL	SEVERE	ABNORMAL



OIL CONDITION

Visc @ 40°C	cSt	143	137	191	156



CONTAMINATION

Element	ppm	467	288	455	264
Silicon	ppm				
Sodium	ppm	9	4	8	5
Potassium	ppm	34	23	35	21



WEAR METALS

Element	ppm	1151	540	882	590
Iron	ppm				
Copper	ppm	38	26	39	34
Lead	ppm	7	5	9	5
Tin	ppm	3	2	3	2
Aluminum	ppm	119	76	113	63
Chromium	ppm	13	5	8	6
Molybdenum	ppm	1	<1	4	17
Nickel	ppm	11	5	8	1
Titanium	ppm	10	6	10	7
Silver	ppm	0	0	0	0
Manganese	ppm	11	5	8	5
Vanadium	ppm	<1	<1	<1	0



ADDITIVES

Element	ppm	683	356	580	372
Calcium	ppm				
Magnesium	ppm	75	40	69	60
Zinc	ppm	24	22	59	49
Phosphorus	ppm	484	368	482	852
Barium	ppm	0	<1	0	10
Boron	ppm	3	5	18	6

Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.

Depot: STAWILLH
Unique No: 10673830
Signed: Sean Felton
Report Date: 04 Oct 2023



GRAPHS

