

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH60C1528-132602 - Left Final Drive

Sample No: LH0210076

Oil Type: TEXACO HAVOLINE GEAR OIL 80W90



**STAIMAN RECYCLING**  
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#### SAMPLE INFORMATION

Sample Number	LH0210076	LH0210067	LH0210058	LH0210049
Sample Date	22 Jan 2024	22 Sep 2023	04 Apr 2023	06 Jan 2023
Machine Hours	5938	5266	4009	3384
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	146	133	141	174



#### CONTAMINATION

Water	%	0.051	NEG	NEG	NEG
Silicon	ppm	125	194	324	253
Sodium	ppm	0	3	5	4
Potassium	ppm	14	13	26	21



#### WEAR METALS

Iron	ppm	208	575	722	592
Copper	ppm	10	24	28	28
Lead	ppm	2	2	6	5
Tin	ppm	<1	1	1	2
Aluminum	ppm	39	44	91	67
Chromium	ppm	1	6	6	5
Molybdenum	ppm	<1	<1	2	6
Nickel	ppm	2	4	6	4
Titanium	ppm	3	4	7	7
Silver	ppm	0	0	0	0
Manganese	ppm	2	5	6	6
Vanadium	ppm	<1	0	<1	<1



#### ADDITIVES

Calcium	ppm	150	215	403	352
Magnesium	ppm	17	26	46	43
Zinc	ppm	0	22	29	57
Phosphorus	ppm	396	489	427	477
Barium	ppm	0	0	2	0
Boron	ppm	0	3	7	17

#### 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. Resample at the next service interval to monitor. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The water content is negligible. The condition of the oil is acceptable for the time in service.

Depot: STAWILLH  
 Unique No: 10856297  
 Signed: Sean Felton  
 Report Date: 31 Jan 2024



### GRAPHS

