

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60C1528-132602 - Swing Drive

Sample No: LH0210080

Oil Type: TEXACO HAVOLINE GEAR OIL 80W90



SAMPLE INFORMATION

Sample Number	LH0210080	LH0210071	LH0210062	LH0210053
Sample Date	20 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	NORMAL	NORMAL	NORMAL	NORMAL

STAIMAN RECYCLING

201 HEPBURN ST
WILLIAMSPORT, PA
US 17701
Contact: JOE MARKLEY
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F:



OIL CONDITION

Visc @ 40°C	cSt	131	124	129	173
		●	●	●	●



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	● 3	● 5	● 6	● 4
Sodium	ppm	● 0	● 0	● 0	● 1
Potassium	ppm	● 2	● 0	● <1	● <1

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.



WEAR METALS

Iron	ppm	● 36	● 105	● 84	● 244
Copper	ppm	● 38	● 18	● 15	● 31
Lead	ppm	● 0	● 0	● 0	● <1
Tin	ppm	● <1	● 1	● <1	● <1
Aluminum	ppm	● 2	● 0	● 0	● <1
Chromium	ppm	● <1	● <1	● <1	● 2
Molybdenum	ppm	● <1	● 0	● <1	● 3
Nickel	ppm	● 0	● 0	● <1	● <1
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	0	1	<1	2
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	● 14	● 6	● 9	● 46
Magnesium	ppm	● 2	● 0	● 2	● 8
Zinc	ppm	● 0	● 8	● 18	● 46
Phosphorus	ppm	● 421	● 503	● 458	● 468
Barium	ppm	● 0	● 0	● 0	● 0
Boron	ppm	● <1	● <1	● 4	● 31

Depot: STAWILLH
Unique No: 10856293
Signed: Sean Felton
Report Date: 31 Jan 2024



GRAPHS

