

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60 1217-135285 - Swing Drive

Sample No: LH0223480

Oil Type: DURALENE POSITRAC 80W90



SAMPLE INFORMATION

Sample Number	LH0223480	LH0223469	DC0022347	LH0223458
Sample Date	20 Oct 2023	23 Apr 2023	30 Nov 2022	07 Jul 2022
Machine Hours	3182	2000	1796	1000
Oil Hours	0	0	700	0
Oil Changed	Changed	N/A	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

CONSERVIT INC.

PO BOX 1517
HAGERSTOWN, MD
US 21740
Contact: DON LONG
dlong@conservit.biz
T: (301)791-0100
F: (301)739-8548



OIL CONDITION

Visc @ 40°C	cSt	126	126	139	140
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Silicon	ppm	2	0	4	1
Sodium	ppm	0	1	4	1
Potassium	ppm	2	0	0	2



WEAR METALS

Iron	ppm	110	54	239	158
Copper	ppm	203	125	137	63
Lead	ppm	0	0	4	<1
Tin	ppm	3	<1	4	<1
Aluminum	ppm	2	0	<1	<1
Chromium	ppm	<1	<1	2	<1
Molybdenum	ppm	2	1	1	1
Nickel	ppm	<1	0	<1	0
Titanium	ppm	<1	0	0	0
Silver	ppm	<1	0	0	<1
Manganese	ppm	<1	<1	2	1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	151	140	151	142
Magnesium	ppm	26	23	21	19
Zinc	ppm	89	77	82	77
Phosphorus	ppm	1423	1316	1732	1667
Barium	ppm	0	0	4	0
Boron	ppm	185	161	90	92

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: CONHAG
Unique No: 10741670
Signed: Don Baldrige
Report Date: 16 Nov 2023



GRAPHS

