

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH26M 124532-1252 - Swing Drive

Sample No: LH0181020

Oil Type: GEAR OIL SAE 75W90



Amix Recycling
11698 140 Street
Surrey, BC
CA V3R 2V4
Contact: Service Manager

T:
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SAMPLE INFORMATION

Sample Number	LH0181020	LH0181007	LH0180994	LH0180981
Sample Date	08 Sep 2023	10 Jan 2023	04 Apr 2022	02 Jul 2021
Machine Hours	4078	3035	1978	932
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	ABNORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	103	98.2	94.8	177
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CONTAMINATION

Water	%	---	0.336	---	---
Silicon	ppm	2	3	<1	1
Sodium	ppm	1	2	1	4
Potassium	ppm	<1	<1	<1	1



WEAR METALS

PQ		0	0	---	---
Iron	ppm	357	544	52	117
Copper	ppm	72	75	51	19
Lead	ppm	2	2	1	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	3	3	<1	<1
Molybdenum	ppm	<1	<1	<1	0
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	2	4	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	22	21	10	16
Magnesium	ppm	2	3	2	<1
Zinc	ppm	15	27	10	15
Phosphorus	ppm	1283	1325	1326	2291
Barium	ppm	0	0	2	6
Boron	ppm	268	218	280	27

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. A decrease in the iron level is noted. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: AMI116SUR
Unique No: 5645153
Signed: Bill Quesnel
Report Date: 21 Sep 2023



GRAPHS

