

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A924C056977-1049 - Swing Drive

Sample No: LH06132475

Oil Type: GEAR OIL SAE 80W90



RECO EQUIPMENT INC.
1615 JP HENESSY DRIVE
LAVERGNE, TN
US 37086
Contact: KEN FISCHER

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Sample Information

Sample Number	LH06132475	LHMC79125	LHMC63941	LHMC63987
Sample Date	21 Mar 2024	05 Oct 2016	06 Apr 2014	26 Feb 2014
Machine Hours	16385	10210	6369	6093
Oil Hours	0	0	260	0
Oil Changed	N/A	Not Changd	N/A	Not Changd
Sample Status	NORMAL	NORMAL	ABNORMAL	ABNORMAL



Oil Condition

Visc @ 40°C	cSt	93.0	105.5	133.5	144.5
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Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	3	3	0
Sodium	ppm	3	3	1	0
Potassium	ppm	1	1	1	2



Wear Metals

Iron	ppm	328	203	485	472
Copper	ppm	129	63	94	95
Lead	ppm	0	0	<1	1
Tin	ppm	2	4	0	2
Aluminum	ppm	1	0	<1	0
Chromium	ppm	2	2	4	4
Molybdenum	ppm	1	0	<1	0
Nickel	ppm	1	<1	<1	1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	6	2	5	7
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	58	60	182	176
Magnesium	ppm	3	0	0	0
Zinc	ppm	156	49	108	102
Phosphorus	ppm	912	1224	1836	1755
Barium	ppm	0	0	4	11
Boron	ppm	115	125	3	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.

Depot: RECLAV
Unique No: 10951940
Signed: Sean Felton
Report Date: 02 Apr 2024



Graphs

