

LIEBHERR

CONSTRUCTION EQUIPMENT



[(354194)] LIEBHERR LH40C132159-1527 - Swing Drive

Sample No: LH0209428

Oil Type: 49 NORTH SS 75W90



SAMPLE INFORMATION

Sample Number	LH0209428	LH0209419	LH0209410	LH0209392
Sample Date	09 Feb 2024	19 Jul 2023	27 Jan 2023	12 Jul 2022
Machine Hours	500	1000	1000	1000
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

National Salvage Ltd.
 206-33 Street N
 Lethbridge, AB
 CA T1H 3Z5
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	88.8	89.5	93.4	93.4

T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<1	<1	1	<1
Sodium	ppm	0	<1	<1	<1
Potassium	ppm	1	<1	<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	11	7	25	39
Copper	ppm	10	16	30	44
Lead	ppm	<1	<1	<1	2
Tin	ppm	0	0	<1	<1
Aluminum	ppm	<1	0	0	0
Chromium	ppm	0	0	0	0
Molybdenum	ppm	2	2	0	0
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	7	9	7	14
Magnesium	ppm	<1	<1	<1	<1
Zinc	ppm	4	6	7	7
Phosphorus	ppm	910	1004	1141	1056
Barium	ppm	0	0	<1	2
Boron	ppm	115	155	230	104

Depot: NATLET
 Unique No: 5724195
 Signed: Wes Davis
 Report Date: 13 Feb 2024



GRAPHS

