

LIEBHERR

CONSTRUCTION EQUIPMENT



[(354194)] LIEBHERR LH40C132159-1527 - Splitter Box

Sample No: LH0209418

Oil Type: 49 NORTH SS 75W90



SAMPLE INFORMATION

Sample Number	LH0209418	LH0209409	LH0209391	LH0209400
Sample Date	19 Jul 2023	27 Jan 2023	12 Jul 2022	14 Jan 2022
Machine Hours	1000	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	83.3	89.3	104	194

T:
F:



CONTAMINATION

Element	ppm	2	2	2	2
Silicon	ppm	2	2	2	2
Sodium	ppm	1	1	2	5
Potassium	ppm	1	<1	<1	2

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

Element	ppm	17	18	15	33
Iron	ppm	17	18	15	33
Copper	ppm	<1	<1	<1	1
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	<1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Element	ppm	48	37	24	23
Calcium	ppm	48	37	24	23
Magnesium	ppm	1	1	1	3
Zinc	ppm	50	40	24	23
Phosphorus	ppm	1066	1146	1141	1632
Barium	ppm	0	0	0	<1
Boron	ppm	183	177	75	2

Depot: NATLET
Unique No: 5616557
Signed: Wes Davis
Report Date: 21 Jul 2023



GRAPHS

