

LIEBHERR

CONSTRUCTION EQUIPMENT



[(354194)] LIEBHERR LH40C132159-1527 - Right Final Drive

Sample No: LH0209416

Oil Type: 49 NORTH SS 75W90



SAMPLE INFORMATION

Sample Number	LH0209416	LH0209407	LH0209398	LH0209389
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	88.6	91.0	98.0	199
-------------	-----	------	------	------	-----

T:
F:



CONTAMINATION

Element	ppm	7	10	38	96
Silicon	ppm	7	10	38	96
Sodium	ppm	1	1	3	8
Potassium	ppm	1	1	3	9

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	30	38	110	245
Iron	ppm	30	38	110	245
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	1	2	8	19
Chromium	ppm	<1	<1	2	6
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	<1	<1	<1	1
Titanium	ppm	0	<1	<1	1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	2	4
Vanadium	ppm	0	0	0	<1



ADDITIVES

Element	ppm	10	7	16	41
Calcium	ppm	10	7	16	41
Magnesium	ppm	1	1	2	7
Zinc	ppm	10	9	12	24
Phosphorus	ppm	1087	1151	978	1226
Barium	ppm	<1	<1	5	16
Boron	ppm	210	221	79	6

Depot: NATLET
Unique No: 5616558
Signed: Wes Davis
Report Date: 21 Jul 2023



GRAPHS

