

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40C103882-1527 - Swing Drive

Sample No: LH0261465

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0261465	LH0247337	LH0224520	LH0214172
Sample Date	29 Jun 2023	08 Mar 2023	25 Oct 2022	20 Jan 2022
Machine Hours	9040	8400	7787	6281
Oil Hours	640	613	1000	1000
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

DOMINION NICKEL ALLOYS LTD.

834 APPLEBY LINE
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CA L7L 2Y7

Contact: Trevor Taylor
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OIL CONDITION

Visc @ 40°C	cSt	142	139	131	135
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CONTAMINATION

Silicon	ppm	6	7	4	2
Sodium	ppm	1	1	2	1
Potassium	ppm	<1	2	3	1



WEAR METALS

Iron	ppm	146	206	361	450
Copper	ppm	32	80	240	228
Lead	ppm	<1	2	5	6
Tin	ppm	<1	1	2	2
Aluminum	ppm	0	<1	0	<1
Chromium	ppm	1	2	4	4
Molybdenum	ppm	<1	0	<1	<1
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	<1
Manganese	ppm	1	2	3	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	4	4	6	8
Magnesium	ppm	1	2	2	2
Zinc	ppm	6	9	12	16
Phosphorus	ppm	616	631	628	595
Barium	ppm	0	0	0	0
Boron	ppm	4	5	6	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.

Depot: DOMBUR

Unique No: 5607484

Signed: Wes Davis

Report Date: 17 Jul 2023

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GRAPHS

