

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R934CEW 031290-027 - Right Final Drive

Sample No: LH0178199

Oil Type: GEAR OIL SAE 75W90



Sample Information

Sample Number	LH0178199	LH0261472	LH0224453	LH0195428
Sample Date	02 Apr 2024	21 Jun 2023	16 May 2022	16 Jun 2021
Machine Hours	18000	17080	16000	14940
Oil Hours	1000	1080	560	1000
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

DOMINION NICKEL ALLOYS LTD.

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Oil Condition

Visc @ 40°C	cSt	115	102	92.5	92.9



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	5	5	2
Sodium	ppm	2	2	1	<1
Potassium	ppm	2	3	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.



Wear Metals

Iron	ppm	40	39	47	26
Copper	ppm	2	2	2	2
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	4	4	8	7
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	1	1	<1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	25	21	30	25
Magnesium	ppm	6	2	3	3
Zinc	ppm	70	104	150	95
Phosphorus	ppm	511	536	568	602
Barium	ppm	0	0	0	0
Boron	ppm	6	4	8	16

Depot: DOMBUR
Unique No: 5763837
Signed: Kevin Marson
Report Date: 23 Apr 2024



Graphs

