

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R934CEW 29333 - Right Final Drive

Sample No: LH0178234

Oil Type: KENDALL NS-MP HYPOID GEAR 80W90



SAMPLE INFORMATION

Sample Number	LH0178234	LH0214167	LH0186970	---
Sample Date	05 Jul 2023	20 Jul 2022	15 Apr 2021	---
Machine Hours	17038	16000	15000	---
Oil Hours	1038	1000	1000	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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	129	133	136	---
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CONTAMINATION

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



WEAR METALS

Iron	ppm	29	24	45	---
Copper	ppm	4	4	5	---
Lead	ppm	0	0	0	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	2	2	6	---
Molybdenum	ppm	<1	<1	2	---
Nickel	ppm	<1	<1	1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	2	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	13	21	48	---
Magnesium	ppm	2	3	4	---
Zinc	ppm	12	11	23	---
Phosphorus	ppm	627	650	833	---
Barium	ppm	0	0	0	---
Boron	ppm	15	24	95	---

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: 5607486

Signed: Wes Davis

Report Date: 17 Jul 2023



GRAPHS

