

LIEBHERR

CONSTRUCTION EQUIPMENT



[DNA] LIEBHERR R934CT-Rex (S/N 20279) - Left Final Drive

Sample No: LH0178227

Oil Type: KENDALL NS-MP HYPOID GEAR 80W90



SAMPLE INFORMATION

Sample Number	LH0178227	LH0224518	---	---
Sample Date	14 Nov 2023	15 Sep 2022	---	---
Machine Hours	10334	9870	---	---
Oil Hours	1000	1000	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

DOMINION NICKEL ALLOYS LTD.

834 APPLEBY LINE
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CA L7L 2Y7

Contact: Trevor Taylor
trevor@domnickel.com
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OIL CONDITION

Visc @ 40°C	cSt	● 129	● 136	---	---
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CONTAMINATION

Silicon	ppm	● 8	● 6	---	---
Sodium	ppm	● 5	● 5	---	---
Potassium	ppm	● 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	● 39	● 39	---	---
Copper	ppm	● 4	● 5	---	---
Lead	ppm	● 2	● 3	---	---
Tin	ppm	● 0	● <1	---	---
Aluminum	ppm	● <1	● <1	---	---
Chromium	ppm	● 2	● 2	---	---
Molybdenum	ppm	● 0	● <1	---	---
Nickel	ppm	● <1	● <1	---	---
Titanium	ppm	● 0	● <1	---	---
Silver	ppm	● <1	● 0	---	---
Manganese	ppm	● <1	● <1	---	---
Vanadium	ppm	● 0	● 0	---	---



ADDITIVES

Calcium	ppm	● 12	● 19	---	---
Magnesium	ppm	● 2	● 5	---	---
Zinc	ppm	● 14	● 17	---	---
Phosphorus	ppm	● 566	● 623	---	---
Barium	ppm	● <1	● 0	---	---
Boron	ppm	● 8	● 11	---	---

Depot: DOMBUR
Unique No: 5682268
Signed: Wes Davis
Report Date: 17 Nov 2023



GRAPHS

