

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH0290917

Oil Type: KENDALL NS-MP HYPOID GEAR 80W90



Sample Information

Sample Number	LH0290917	LH0178238	LH0224515	---
Sample Date	13 May 2024	14 Nov 2023	15 Sep 2022	---
Machine Hours	11000	10334	9870	---
Oil Hours	1000	1000	1000	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	SEVERE	ABNORMAL	---

DOMINION NICKEL ALLOYS LTD.

834 APPLEBY LINE

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Oil Condition

Visc @ 40°C	cSt	105	62.1	52.8	---
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Contamination

Water	%	NEG	0.083	NEG	---
Silicon	ppm	4	5	2	---
Sodium	ppm	<1	2	<1	---
Potassium	ppm	<1	2	0	---

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	99	200	142	---
Copper	ppm	179	200	217	---
Lead	ppm	5	6	5	---
Tin	ppm	2	1	<1	---
Aluminum	ppm	<1	0	0	---
Chromium	ppm	6	23	15	---
Molybdenum	ppm	0	0	<1	---
Nickel	ppm	1	<1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	<1	<1	0	---
Manganese	ppm	<1	2	1	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	23	75	60	---
Magnesium	ppm	3	3	2	---
Zinc	ppm	129	368	306	---
Phosphorus	ppm	495	490	494	---
Barium	ppm	0	0	0	---
Boron	ppm	2	6	6	---

Depot: DOMBUR

Unique No: 5801739

Signed: Wes Davis

Report Date: 26 Jun 2024



Graphs

