

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH0290919

Oil Type: KENDALL NS-MP HYPOID GEAR 80W90



Sample Information

Sample Number	LH0290919	LH0178226	LH0224517	---
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	NORMAL	NORMAL	---

DOMINION NICKEL ALLOYS LTD.

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Oil Condition

Visc @ 40°C	cSt	137	133	135	---
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Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	9	20	6	---
Sodium	ppm	3	7	6	---
Potassium	ppm	3	5	<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	42	72	46	---
Copper	ppm	3	7	6	---
Lead	ppm	<1	2	4	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	2	2	3	---
Molybdenum	ppm	0	0	<1	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	<1	2	1	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	12	14	18	---
Magnesium	ppm	4	4	5	---
Zinc	ppm	13	24	19	---
Phosphorus	ppm	565	554	623	---
Barium	ppm	<1	<1	0	---
Boron	ppm	6	11	12	---

Depot: DOMBUR
Unique No: 5801733
Signed: Wes Davis
Report Date: 26 Jun 2024



Graphs

