

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R934CEW 29333 - Left Final Drive

Sample No: LH0178233

Oil Type: KENDALL NS-MP HYPOID GEAR 80W90



SAMPLE INFORMATION

Sample Number	LH0178233	LH0214165	LH0186973	---
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

BURLINGTON, ON

CA L7L 2Y7

Contact: Trevor Taylor

trevor@domnickel.com

T: (905)639-9939

F: (905)639-3788



OIL CONDITION

Visc @ 40°C	cSt	130	132	136	---
-------------	-----	-----	-----	-----	-----



CONTAMINATION

Silicon	ppm	4	5	7	---
Sodium	ppm	2	2	5	---
Potassium	ppm	2	1	1	---



WEAR METALS

Iron	ppm	30	39	69	---
Copper	ppm	4	5	5	---
Lead	ppm	<1	0	0	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	<1	<1	1	---
Chromium	ppm	2	4	10	---
Molybdenum	ppm	0	<1	2	---
Nickel	ppm	<1	1	3	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	<1	0	<1	---
Manganese	ppm	<1	1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	8	15	40	---
Magnesium	ppm	2	3	5	---
Zinc	ppm	6	13	27	---
Phosphorus	ppm	570	633	818	---
Barium	ppm	<1	0	0	---
Boron	ppm	12	22	73	---

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: 5681994

Signed: Wes Davis

Report Date: 16 Nov 2023



GRAPHS

