

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR R934CEW 29333 - Splitter Box

Sample No: LH0178231

Oil Type: KENDALL NS-MP HYPOID GEAR 80W90



#### SAMPLE INFORMATION

Sample Number	LH0178231	LH0224523	LH0186975	---
Sample Date	05 Jul 2023	20 Jul 2022	15 Apr 2021	---
Machine Hours	17038	16000	15000	---
Oil Hours	538	533	500	---
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  
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#### OIL CONDITION

Visc @ 40°C	cSt	114	111	144	---
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#### CONTAMINATION

Silicon	ppm	5	7	3	---
Sodium	ppm	3	3	3	---
Potassium	ppm	10	11	10	---



#### WEAR METALS

Iron	ppm	79	147	83	---
Copper	ppm	1	2	1	---
Lead	ppm	2	3	2	---
Tin	ppm	0	0	0	---
Aluminum	ppm	1	2	2	---
Chromium	ppm	1	2	1	---
Molybdenum	ppm	5	10	0	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	3	<1	---
Manganese	ppm	<1	2	1	---
Vanadium	ppm	0	0	0	---



#### ADDITIVES

Calcium	ppm	115	192	16	---
Magnesium	ppm	51	89	5	---
Zinc	ppm	128	220	24	---
Phosphorus	ppm	624	619	712	---
Barium	ppm	<1	<1	1	---
Boron	ppm	15	31	10	---

#### Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: DOMBUR  
Unique No: 5607481  
Signed: Wes Davis  
Report Date: 17 Jul 2023



### GRAPHS

