

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH40C103882-1527 - Splitter Box

Sample No: LH0286881

Oil Type: KENDALL NS-MP HYPOID GEAR 80W90



#### Sample Information

Sample Number	LH0286881	LH0261464	LH0247341	LH0235009
Sample Date	18 Apr 2024	29 Jun 2023	08 Mar 2023	25 Oct 2022
Machine Hours	10300	9040	8400	7787
Oil Hours	500	640	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**DOMINION NICKEL ALLOYS LTD.**

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#### Oil Condition

Visc @ 40°C	cSt	135	133	124	105



#### Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	2	3	3
Sodium	ppm	1	1	2	2
Potassium	ppm	<1	1	2	4

#### 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	32	6	5	10
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	<1	<1
Chromium	ppm	<1	0	0	0
Molybdenum	ppm	0	2	5	14
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0



#### Additives

Calcium	ppm	28	41	168	408
Magnesium	ppm	10	11	43	111
Zinc	ppm	18	12	110	274
Phosphorus	ppm	550	577	658	738
Barium	ppm	0	0	0	0
Boron	ppm	3	3	11	35

Depot: DOMBUR

Unique No: 5763841

Signed: Wes Davis

Report Date: 22 Apr 2024



### Graphs

