

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40C 103882-1527 - Right Final Drive

Sample No: LH0286879

Oil Type: KENDALL NS-MP HYPOID GEAR 80W90



Sample Information

Sample Number	LH0286879	LH0261463	LH0247338	LH0224521
Sample Date	19 Apr 2024	29 Jun 2023	08 Mar 2023	25 Oct 2022
Machine Hours	10300	9040	8400	7787
Oil Hours	1000	640	613	1000
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	137	138	136	129
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Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	7	9	11	7
Sodium	ppm	2	2	2	3
Potassium	ppm	1	1	2	4



Wear Metals

Iron	ppm	23	18	22	31
Copper	ppm	<1	<1	0	0
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	1	<1
Chromium	ppm	1	<1	1	2
Molybdenum	ppm	0	<1	0	<1
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	7	9	7	14
Magnesium	ppm	3	2	3	2
Zinc	ppm	7	8	6	11
Phosphorus	ppm	553	612	611	595
Barium	ppm	<1	<1	0	<1
Boron	ppm	3	2	3	6

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: 5763835

Signed: Wes Davis

Report Date: 22 Apr 2024



Graphs

