

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40C103882-1527 - Left Final Drive

Sample No: LH0286878

Oil Type: KENDALL NS-MP HYPOID GEAR 80W90



Sample Information

Sample Number	LH0286878	LH0178241	LH0247339	LH0235010
Sample Date	19 Apr 2024	04 Jul 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	ABNORMAL	NORMAL	NORMAL

DOMINION NICKEL ALLOYS LTD.

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BURLINGTON, ON
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Contact: Trevor Taylor
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Oil Condition

Visc @ 40°C	cSt	138	138	136	129
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Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	7	8	8	6
Sodium	ppm	2	2	2	2
Potassium	ppm	2	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	35	18	23	36
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	2	<1	1	2
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	<1	<1	<1	<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	6	5	8
Magnesium	ppm	3	2	2	2
Zinc	ppm	6	7	5	8
Phosphorus	ppm	551	615	635	610
Barium	ppm	<1	0	0	<1
Boron	ppm	2	2	3	6

Depot: DOMBUR
Unique No: 5763836
Signed: Wes Davis
Report Date: 22 Apr 2024



Graphs

