

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40C 123508-1527 - Right Final Drive

Sample No: LH0175674

Oil Type: KENDALL NS-MP HYPOID GEAR 80W90



SAMPLE INFORMATION

Sample Number	LH0175674	LH0175665	LH0175656	LH0175647
Sample Date	16 Nov 2023	08 Mar 2023	27 Oct 2022	14 Dec 2021
Machine Hours	5000	4000	3000	1000
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	N/A	Changed
Sample Status	NORMAL	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	139	139	134	148



CONTAMINATION

Element	ppm	8	9	6	2
Silicon	ppm	8	9	6	2
Sodium	ppm	2	2	3	3
Potassium	ppm	<1	3	4	2

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

Element	ppm	48	30	48	28
Iron	ppm	48	30	48	28
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	<1	0
Chromium	ppm	<1	<1	1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	<1
Manganese	ppm	<1	<1	1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Element	ppm	4	3	5	6
Calcium	ppm	4	3	5	6
Magnesium	ppm	1	1	<1	2
Zinc	ppm	6	6	8	9
Phosphorus	ppm	573	648	657	779
Barium	ppm	<1	<1	1	3
Boron	ppm	2	1	2	2

Depot: DOMBUR

Unique No: 5682265

Signed: Wes Davis

Report Date: 17 Nov 2023



GRAPHS

