

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40C123508-1527 - Right Final Drive

Sample No: LH0175665

Oil Type: KENDALL NS-MP HYPOID GEAR 80W90



SAMPLE INFORMATION

Sample Number	LH0175665	LH0175656	LH0175647	LH0175638
Sample Date	08 Mar 2023	27 Oct 2022	14 Dec 2021	04 May 2021
Machine Hours	4000	3000	1000	1000
Oil Hours	0	0	0	1000
Oil Changed	N/A	N/A	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

DOMINION NICKEL ALLOYS LTD.

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OIL CONDITION

Visc @ 40°C	cSt	139	134	148	195



CONTAMINATION

Element	ppm	9	6	2	2
Silicon	ppm	9	6	2	2
Sodium	ppm	2	3	3	6
Potassium	ppm	3	4	2	3



WEAR METALS

Element	ppm	30	48	28	31
Iron	ppm	30	48	28	31
Copper	ppm	<1	<1	<1	1
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	0	<1
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	0	0	<1	0
Manganese	ppm	<1	1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Element	ppm	3	5	6	9
Calcium	ppm	3	5	6	9
Magnesium	ppm	1	<1	2	1
Zinc	ppm	6	8	9	15
Phosphorus	ppm	648	657	779	1264
Barium	ppm	<1	1	3	10
Boron	ppm	1	2	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.

Depot: DOMBUR

Unique No: 5541139

Signed: Wes Davis

Report Date: 09 Mar 2023



GRAPHS

