

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40C103882-1527 - Right Final Drive

Sample No: LH0261463

Oil Type: KENDALL NS-MP HYPOID GEAR 80W90



SAMPLE INFORMATION

Sample Number	LH0261463	LH0247338	LH0224521	LH0214175
Sample Date	29 Jun 2023	08 Mar 2023	25 Oct 2022	20 Jan 2022
Machine Hours	9040	8400	7787	6281
Oil Hours	640	613	1000	1113
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	138	136	129	132
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CONTAMINATION

Silicon	ppm	9	11	7	5
Sodium	ppm	2	2	3	2
Potassium	ppm	1	2	4	3



WEAR METALS

Iron	ppm	18	22	31	42
Copper	ppm	<1	0	0	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	1	<1	<1
Chromium	ppm	<1	1	2	2
Molybdenum	ppm	<1	0	<1	<1
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	9	7	14	16
Magnesium	ppm	2	3	2	4
Zinc	ppm	8	6	11	13
Phosphorus	ppm	612	611	595	579
Barium	ppm	<1	0	<1	<1
Boron	ppm	2	3	6	8

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: 5607480

Signed: Wes Davis

Report Date: 17 Jul 2023



GRAPHS

