

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40C123508-1527 - Swing Drive

Sample No: LH0175677

Oil Type: KENDALL NS-MP HYPOID GEAR 80W90



SAMPLE INFORMATION

Sample Number	LH0175677	LH0175668	LH0175659	LH0175650
Sample Date	15 Nov 2023	08 Mar 2023	27 Oct 2022	24 Dec 2021
Machine Hours	5160	0	3000	1000
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	N/A	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	ABNORMAL

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	138	139	125	147
		●	●	●	●



CONTAMINATION

Element	ppm	8	7	5	2
Silicon	ppm	●	●	●	●
Sodium	ppm	●	●	●	●
Potassium	ppm	●	●	●	●



WEAR METALS

Element	ppm	500	66	198	100
Iron	ppm	●	●	●	●
Copper	ppm	●	●	●	●
Lead	ppm	●	●	●	●
Tin	ppm	●	●	●	●
Aluminum	ppm	●	●	●	●
Chromium	ppm	●	●	●	●
Molybdenum	ppm	●	●	●	●
Nickel	ppm	●	●	●	●
Titanium	ppm	0	0	<1	0
Silver	ppm	<1	0	0	<1
Manganese	ppm	●	●	●	●
Vanadium	ppm	0	0	0	0



ADDITIVES

Element	ppm	60	24	101	8
Calcium	ppm	●	●	101	●
Magnesium	ppm	●	●	29	●
Zinc	ppm	●	19	●	●
Phosphorus	ppm	●	●	●	●
Barium	ppm	●	●	●	●
Boron	ppm	●	●	●	●

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: 5681993
Signed: Wes Davis
Report Date: 16 Nov 2023



GRAPHS

