

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40C123508-1527 - Splitter Box

Sample No: LH0175676

Oil Type: KENDALL NS-MP HYPOID GEAR 80W90



SAMPLE INFORMATION

Sample Number	LH0175676	LH0175667	LH0175658	LH0175649
Sample Date	16 Nov 2023	08 Mar 2023	27 Oct 2022	14 Dec 2021
Machine Hours	5000	4000	3000	500
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.

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OIL CONDITION

Visc @ 40°C	cSt	133	134	129	135
		●	●	●	●



CONTAMINATION

Element	ppm	7	7	5	2
Silicon	ppm	● 7	● 7	● 5	● 2
Sodium	ppm	● 2	● 2	● 1	● 1
Potassium	ppm	● 2	● 3	● 2	● 1



WEAR METALS

Element	ppm	34	21	20	18
Iron	ppm	● 34	● 21	● 20	● 18
Copper	ppm	● 1	● <1	● <1	● 1
Lead	ppm	● <1	● 0	● 0	● 0
Tin	ppm	● 0	● <1	● 0	● 0
Aluminum	ppm	● <1	● <1	● <1	● <1
Chromium	ppm	● <1	● <1	● 0	● <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	8	5	3	6
Calcium	ppm	● 8	● 5	● 3	● 6
Magnesium	ppm	● 2	● 1	● 2	● 3
Zinc	ppm	● 30	7	● 21	● 21
Phosphorus	ppm	● 548	● 641	● 612	● 677
Barium	ppm	● <1	● 0	● 0	● 0
Boron	ppm	● 2	● 1	● 2	● 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.

Depot: DOMBUR
Unique No: 5682267
Signed: Wes Davis
Report Date: 17 Nov 2023



GRAPHS

