

LIEBHERR

CONSTRUCTION EQUIPMENT



115463 - Crowd Winch Drive

Sample No: LH0284046

Oil Type: {unknown}



SAMPLE INFORMATION

Sample Number	LH0284046	---	---	---
Sample Date	02 Feb 2024	---	---	---
Machine Hours	530	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

Liebherr Canada

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Richmond, BC

CA V6W 1J8

Contact: Kendra Curtis

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OIL CONDITION

Visc @ 40°C	cSt	● 230	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 3	---	---	---
Sodium	ppm	● <1	---	---	---
Potassium	ppm	● <1	---	---	---



WEAR METALS

Iron	ppm	● 18	---	---	---
Copper	ppm	● <1	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 1	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	75	---	---	---
Magnesium	ppm	<1	---	---	---
Zinc	ppm	26	---	---	---
Phosphorus	ppm	400	---	---	---
Barium	ppm	1	---	---	---
Boron	ppm	28	---	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is ISO 220 Synthetic (PAO) Gear Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample. 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: LIERIC

Unique No: 5722903

Signed: Bill Quesnel

Report Date: 06 Feb 2024



GRAPHS

