

LIEBHERR

CONSTRUCTION EQUIPMENT



115463 - Kelly Winch

Sample No: LH0284048

Oil Type: {unknown}



SAMPLE INFORMATION

Sample Number	LH0284048	---	---	---
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
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OIL CONDITION

Visc @ 40°C	cSt	● 245	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 5	---	---	---
Sodium	ppm	● <1	---	---	---
Potassium	ppm	● <1	---	---	---



WEAR METALS

Iron	ppm	● 51	---	---	---
Copper	ppm	● <1	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	237	---	---	---
Magnesium	ppm	1	---	---	---
Zinc	ppm	88	---	---	---
Phosphorus	ppm	433	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	24	---	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 80W140 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: 5722906
 Signed: Bill Quesnel
 Report Date: 06 Feb 2024



GRAPHS

