

LIEBHERR

CONSTRUCTION EQUIPMENT



20159 - Swing Drive

Sample No: LH0284902

Oil Type: {unknown}



SAMPLE INFORMATION

Sample Number	LH0284902	---	---	---
Sample Date	08 Feb 2024	---	---	---
Machine Hours	8331	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR CANADA LTD.
 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
 Contact: Joseph Rodgers
 joseph.rodgers@liebherr.com
 T:
 F: (905)319-6622



OIL CONDITION

Visc @ 40°C	cSt	● 94.2	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 29	---	---	---
Sodium	ppm	● 4	---	---	---
Potassium	ppm	● 4	---	---	---



WEAR METALS

Iron	ppm	● 149	---	---	---
Copper	ppm	● <1	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 9	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	2691	---	---	---
Magnesium	ppm	16	---	---	---
Zinc	ppm	1015	---	---	---
Phosphorus	ppm	771	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	22	---	---	---

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity 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: LIEMIS
 Unique No: 5723855
 Signed: Wes Davis
 Report Date: 12 Feb 2024



GRAPHS

