

LIEBHERR R934 11385 - HYDRAULIC SYSTEM

Sample No: LH0247275

Oil Type: {unknown}

SAMPLE INFORMATION

Sample Number	LH0247275	---	---	---
Sample Date	13 Feb 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR CANADA LTD. - REMAN

1015 SUTTON DRIVE

BURLINGTON, ON

CA L7L 5Z8

Contact: Morteza Mahmoudi

morteza.mahmoudi@liebherr.com

T: (905)319-9222

F: (905)319-6622

OIL CONDITION

Visc @ 40°C	cSt	35.7	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 15059	---	---	---
Particles >6µm		█ 2123	---	---	---
Particles >14µm		█ 35	---	---	---
ISO 4406:1999 (c)		21/18/12	---	---	---
Silicon	ppm	█ <1	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ <1	---	---	---

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. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	█ 9	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	77	---	---	---
Magnesium	ppm	3	---	---	---
Zinc	ppm	603	---	---	---
Phosphorus	ppm	526	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	<1	---	---	---

Depot: REMAN

Unique No: 5528298

Signed: Kevin Marson

Report Date: 15 Feb 2023

GRAPHS

