

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L566 054116-1484 - Splitter Box

Sample No: LH0281150

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0281150	LH0135644	---	---
Sample Date	04 Jan 2024	10 Dec 2020	---	---
Machine Hours	9598	3800	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

**Abbycel Substrate Ltd.**  
 3545 Ross Road  
 Abbotsford, BC  
 CA V4X 1M6  
 Contact: Service Manager



#### OIL CONDITION

Visc @ 40°C	cSt	74.0	88.8	---	---
-------------	-----	------	------	-----	-----

T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	1	<1	---	---
Sodium	ppm	2	<1	---	---
Potassium	ppm	2	<1	---	---

#### Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. Viscosity of sample indicates oil is within SAE 80 range, advise investigate. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

PQ		0	---	---	---
Iron	ppm	101	12	---	---
Copper	ppm	2	<1	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	1	1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

Calcium	ppm	22	20	---	---
Magnesium	ppm	18	8	---	---
Zinc	ppm	536	27	---	---
Phosphorus	ppm	2529	2559	---	---
Barium	ppm	<1	2	---	---
Boron	ppm	117	170	---	---

**Depot:** ABB354ABB  
**Unique No:** 5709038  
**Signed:** Kevin Marson  
**Report Date:** 11 Jan 2024



### GRAPHS

