

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(357697)] LIEBHERR PR766 016664-1421 - Splitter Box

Sample No: LH0194336

Oil Type: LIEBHERR GEAR BASIC 90 LS



**HEAVY IRON INC**  
 370145 79 STREET EAST  
 ALDERSYDE, AB  
 CA T0L 0A0  
 Contact: Service Manager



#### Sample Information

Sample Number	LH0194336	---	---	---
Sample Date	31 Aug 2021	---	---	---
Machine Hours	144	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



#### Oil Condition

Visc @ 40°C	cSt	365	---	---	---
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T:  
F:



#### Contamination

Water	%	NEG	---	---	---
Silicon	ppm	4	---	---	---
Sodium	ppm	6	---	---	---
Potassium	ppm	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 140 range, advise investigate. The condition of the oil is acceptable for the time in service.



#### Wear Metals

Iron	ppm	34	---	---	---
Copper	ppm	10	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	12	---	---	---
Vanadium	ppm	0	---	---	---



#### Additives

Calcium	ppm	35	---	---	---
Magnesium	ppm	12	---	---	---
Zinc	ppm	21	---	---	---
Phosphorus	ppm	1185	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	7	---	---	---

**Depot:** HEAALD  
**Unique No:** 5278185  
**Signed:** Wes Davis  
**Report Date:** 07 Sep 2021



### Graphs

