

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR PR766 024157-1681 - Right Travel

Sample No: LH0269725

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0269725	---	---	---
Sample Date	07 Nov 2023	---	---	---
Machine Hours	1018	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**NUTRIEN CORY POTASH**  
 12KM WEST OF SASKATOON HWY #7  
 SASKATOON, SK  
 CA S7K 3L6  
 Contact: Service Manager



#### OIL CONDITION

Visc @ 40°C	cSt	220	---	---	---
-------------	-----	-----	-----	-----	-----

T:  
F:



#### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	13	---	---	---
Sodium	ppm	7	---	---	---
Potassium	ppm	2	---	---	---

#### Diagnosis

The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. Copper, lead and tin ppm levels are abnormal. Bearing and/or bushing wear is indicated. 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 80W140 range, advise investigate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



#### WEAR METALS

Iron	ppm	122	---	---	---
Copper	ppm	573	---	---	---
Lead	ppm	13	---	---	---
Tin	ppm	15	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	31	---	---	---
Magnesium	ppm	3	---	---	---
Zinc	ppm	50	---	---	---
Phosphorus	ppm	1140	---	---	---
Barium	ppm	108	---	---	---
Boron	ppm	47	---	---	---

Depot: NUT12SAS  
 Unique No: 5683957  
 Signed: Kevin Marson  
 Report Date: 25 Nov 2023



### GRAPHS

