

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR PR766 024157-1681-Left Travel

Sample No: LH0269730

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0269730	---	---	---
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	● 202	---	---	---
-------------	-----	-------	-----	-----	-----

T:
F:



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 12	---	---	---
Sodium	ppm	● 5	---	---	---
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. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



WEAR METALS

Iron	ppm	● 120	---	---	---
Copper	ppm	● 564	---	---	---
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	53	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	57	---	---	---
Phosphorus	ppm	1163	---	---	---
Barium	ppm	98	---	---	---
Boron	ppm	● 65	---	---	---

Depot: NUT12SAS
Unique No: 5683962
Signed: Kevin Marson
Report Date: 25 Nov 2023



GRAPHS

