

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R920 056505-1705 - Left Final Drive

Sample No: LH0281018

Oil Type: LIEBHERR GEAR BASIC 90 LS



HAYSHAKERS BOBCAT SERVICES
 501 761 HWY
 LESLIEVILLE, AB
 CA T0M 1H0
 Contact: Service Manager



SAMPLE INFORMATION

Sample Number	LH0281018	---	---	---
Sample Date	08 Feb 2024	---	---	---
Machine Hours	528	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 195	---	---	---
-------------	-----	-------	-----	-----	-----

T:
F:



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 45	---	---	---
Sodium	ppm	● 5	---	---	---
Potassium	ppm	● 6	---	---	---

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. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	● 142	---	---	---
Copper	ppm	● <1	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 9	---	---	---
Chromium	ppm	● 2	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	36	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	23	---	---	---
Phosphorus	ppm	1174	---	---	---
Barium	ppm	● 14	---	---	---
Boron	ppm	● 4	---	---	---

Depot: HAYLES
 Unique No: 5733898
 Signed: Wes Davis
 Report Date: 20 Feb 2024



GRAPHS

