

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R920 051529-1705 - Diesel Engine

Sample No: LH0269734

Oil Type: NOT GIVEN



SHAMROCK EARTHWORKS LTD
 351 EVERSIDE WAY SW
 CALGARY, AB
 CA T2Y 4R2
 Contact: Service Manager

T:
 F:



SAMPLE INFORMATION

Sample Number	LH0269734	---	---	---
Sample Date	31 Aug 2023	---	---	---
Machine Hours	2657	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	12.1	---	---	---
Oxidation (PA)	%	83	---	---	---



CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	83	---	---	---
Sulfation (PA)	%	63	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	0.5	---	---	---
Silicon	ppm	28	---	---	---
Sodium	ppm	5	---	---	---
Potassium	ppm	<1	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	18	---	---	---
Copper	ppm	4	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	59	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	890	---	---	---
Magnesium	ppm	1157	---	---	---
Zinc	ppm	1272	---	---	---
Phosphorus	ppm	1107	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	36	---	---	---

Depot: SHA351CAL
Unique No: 5633673
Signed: Wes Davis
Report Date: 07 Sep 2023



GRAPHS

