

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40C T13524-1527 - Left Final Drive

Sample No: LH0269745

Oil Type: GEAR OIL SAE 80W90



RICHMOND STEEL RECYCLING
 9623 78TH STREET
 Fort St.John, BC
 CA V1J 4J8
 Contact: Service Manager



SAMPLE INFORMATION

Sample Number	LH0269745	LH0238659	LH0110731	---
Sample Date	04 Jan 2024	23 Feb 2023	29 Aug 2019	---
Machine Hours	0	8256	575	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Changed	Changed	---
Sample Status	NORMAL	SEVERE	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	48.1	139	186	---
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T:
F:



CONTAMINATION

Water	%	0.157	NEG	NEG	---
Silicon	ppm	460	795	46	---
Sodium	ppm	14	22	6	---
Potassium	ppm	21	37	6	---



WEAR METALS

PQ		200	184	---	---
Iron	ppm	527	2545	204	---
Copper	ppm	4	3	1	---
Lead	ppm	2	4	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	75	127	8	---
Chromium	ppm	5	30	5	---
Molybdenum	ppm	0	3	<1	---
Nickel	ppm	2	20	1	---
Titanium	ppm	4	9	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	5	19	4	---
Vanadium	ppm	0	<1	<1	---



ADDITIVES

Calcium	ppm	3425	155	45	---
Magnesium	ppm	28	25	4	---
Zinc	ppm	1302	28	31	---
Phosphorus	ppm	1100	1901	2326	---
Barium	ppm	4	1	13	---
Boron	ppm	89	280	6	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. 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 75W80 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: RIC962FOR
 Unique No: 5708647
 Signed: Kevin Marson
 Report Date: 10 Jan 2024



GRAPHS

