

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R936 040309-1148 - Slewing Gearbox

Sample No: LH0192037

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0192037	---	---	---
Sample Date	29 Nov 2021	---	---	---
Machine Hours	8386	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

RICHMOND STEEL RECYCLING
 11760 MITCHELL ROAD
 RICHMOND, BC
 CA V6V 1V8
 Contact: Aaron Kaetler
 AKaetler@richmondsteel.ca
 T:
 F: (604)324-8617



OIL CONDITION

Visc @ 40°C	cSt	● 126	---	---	---
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CONTAMINATION

Silicon	ppm	● 8	---	---	---
Sodium	ppm	● 21	---	---	---
Potassium	ppm	● 1159	---	---	---



WEAR METALS

PQ		● 24	---	---	---
Iron	ppm	● 1326	---	---	---
Copper	ppm	● 140	---	---	---
Lead	ppm	● 5	---	---	---
Tin	ppm	● 3	---	---	---
Aluminum	ppm	● 1	---	---	---
Chromium	ppm	● 16	---	---	---
Molybdenum	ppm	● 1	---	---	---
Nickel	ppm	● 2	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	● 10	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	● 86	---	---	---
Magnesium	ppm	● 6	---	---	---
Zinc	ppm	● 25	---	---	---
Phosphorus	ppm	● 1066	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 1069	---	---	---

Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Chromium and iron ppm levels are severe. There is a moderate concentration of water present in the oil. Free water present. The white residue present in the sample is oil additive precipitate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: RIC117RIC
Unique No: 5319595
Signed: Kevin Marson
Report Date: 09 Dec 2021



GRAPHS

