

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R954 954R - West Transmission (Manual)

Sample No: LH0265884

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



Gerdau - Mandak Metal Processors Ltd.,
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 Selkirk, MB
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SAMPLE INFORMATION

Sample Number	LH0265884	---	---	---
Sample Date	31 Aug 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 96.1	---	---	---
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CONTAMINATION

Silicon	ppm	● 39	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● 2	---	---	---



WEAR METALS

PQ		● 67	---	---	---
Iron	ppm	● 257	---	---	---
Copper	ppm	● 215	---	---	---
Lead	ppm	● 52	---	---	---
Tin	ppm	● 12	---	---	---
Aluminum	ppm	● 5	---	---	---
Chromium	ppm	● 2	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	● <1	---	---	---
Manganese	ppm	● 4	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	53	---	---	---
Magnesium	ppm	● 10	---	---	---
Zinc	ppm	● 13	---	---	---
Phosphorus	ppm	● 1166	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 147	---	---	---

Diagnosis

The fluid change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Iron, lead and tin ppm levels are abnormal. Clutch disc wear indicated. Bearing wear is indicated. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is no indication of any contamination in the fluid. The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: MANSEL
Unique No: 5642540
Signed: Kevin Marson
Report Date: 13 Sep 2023



GRAPHS

