

LIEBHERR

CONSTRUCTION EQUIPMENT



115070 - Slewing Gearbox

Sample No: LH0289452

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



Sample Information

Sample Number	LH0289452	---	---	---
Sample Date	04 Apr 2024	---	---	---
Machine Hours	1873	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

LIEBHERR CANADA LTD.
 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
 Contact: Steve Lehto
 steve.lehto@liebherr.com
 T: (905)319-9222
 F: (905)319-6617



Oil Condition

Visc @ 40°C	cSt	● 121	---	---	---
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Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● 0	---	---	---
Sodium	ppm	● 1	---	---	---
Potassium	ppm	● 1	---	---	---



Wear Metals

Iron	ppm	● 71	---	---	---
Copper	ppm	● 517	---	---	---
Lead	ppm	● 12	---	---	---
Tin	ppm	● 26	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 2	---	---	---
Vanadium	ppm	0	---	---	---



Additives

Calcium	ppm	● 14	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 40	---	---	---
Phosphorus	ppm	● 1176	---	---	---
Barium	ppm	● <1	---	---	---
Boron	ppm	● 190	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Copper, lead and tin ppm levels are severe. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: LIEMIS
Unique No: 5760868
Signed: Kevin Marson
Report Date: 09 Apr 2024



Graphs

