

LIEBHERR

CONSTRUCTION EQUIPMENT



056255-1007 - Slewing Gearbox

Sample No: LH0270058

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0270058	---	---	---
Sample Date	14 Jul 2023	---	---	---
Machine Hours	16930	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

American Iron and Metal

9100 BOUL HENRI-BOURASSA EST
MONTREAL, QC
CA H1E 2S4
Contact: Sebastien Liautaud
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OIL CONDITION

Visc @ 40°C	cSt	● 111	---	---	---
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CONTAMINATION

Silicon	ppm	● 2	---	---	---
Sodium	ppm	● <1	---	---	---
Potassium	ppm	● <1	---	---	---



WEAR METALS

Iron	ppm	● 414	---	---	---
Copper	ppm	● 315	---	---	---
Lead	ppm	● 8	---	---	---
Tin	ppm	● 15	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 3	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 4	---	---	---
Vanadium	ppm	● 0	---	---	---



ADDITIVES

Calcium	ppm	● 15	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 51	---	---	---
Phosphorus	ppm	● 1426	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 24	---	---	---

Diagnosis

We advise that you check for the source of water entry. Check seals and/or filters for points of contaminant entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Copper and tin ppm levels are severe. Lead ppm levels are abnormal. There is a moderate concentration of water present in the oil. Free water present. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: AMEMON
Unique No: 5616641
Signed: Kevin Marson
Report Date: 24 Jul 2023



GRAPHS

