

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR HS895 188244 - Rear Left Slewing Gearbox

Sample No: LH0289536

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



Sample Information

Sample Number	LH0289536	LH0256987	---	---
Sample Date	10 May 2024	05 Sep 2023	---	---
Machine Hours	21278	19868	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	ABNORMAL	NORMAL	---	---

HIGGS & HIGGS

RR # 4

ST THOMAS, ON

CA N5P 3S8

Contact: Bernie Higgs



Oil Condition

Visc @ 40°C	cSt	84.4	102	---	---
-------------	-----	------	-----	-----	-----

T: (519)631-4095

F: (519)631-2745



Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	<1	2	---	---
Sodium	ppm	<1	<1	---	---
Potassium	ppm	<1	0	---	---

Diagnosis

The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. Copper ppm levels are abnormal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



Wear Metals

Iron	ppm	21	14	---	---
Copper	ppm	70	39	---	---
Lead	ppm	1	<1	---	---
Tin	ppm	2	2	---	---
Aluminum	ppm	<1	0	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	<1	0	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



Additives

Calcium	ppm	37	20	---	---
Magnesium	ppm	11	2	---	---
Zinc	ppm	58	20	---	---
Phosphorus	ppm	800	1266	---	---
Barium	ppm	0	0	---	---
Boron	ppm	83	295	---	---

Depot: HIGSTT

Unique No: 5801759

Signed: Kevin Marson

Report Date: 27 Jun 2024



Graphs

