

LIEBHERR

CONSTRUCTION EQUIPMENT



[[575873]] LIEBHERR HS8100 184908 - Left Slewing Gearbox

Sample No: LH0277707

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



Tillsonburg Ready-Mix Inc.
 10 Elm Street
 Tillsonburg, ON
 CA N4G 0A7
 Contact: Service Manager



Sample Information

Sample Number	LH0277707	LH0230699	---	---
Sample Date	12 Oct 2023	22 Jul 2022	---	---
Machine Hours	12289	10063	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---



Oil Condition

Visc @ 40°C	cSt	85.6	90.4	---	---
-------------	-----	------	------	-----	-----

T:
F:



Contamination

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

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.



Wear Metals

Iron	ppm	69	74	---	---
Copper	ppm	<1	<1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	0	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	0	1	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



Additives

Calcium	ppm	5	10	---	---
Magnesium	ppm	2	3	---	---
Zinc	ppm	4	9	---	---
Phosphorus	ppm	754	1237	---	---
Barium	ppm	<1	0	---	---
Boron	ppm	25	315	---	---

Depot: TIL10TIL
 Unique No: 5658778
 Signed: Wes Davis
 Report Date: 17 Oct 2023



Graphs

