

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR HS8130 185282 (S/N GFL286) - Splitter Box

Sample No: LH0286603

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



Sample Information

Sample Number	LH0286603	LH0277809	LH0261546	LH0247060
Sample Date	14 Jun 2024	17 Nov 2023	02 Jun 2023	03 Feb 2023
Machine Hours	9037	8008	7105	6292
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

HIGGS & HIGGS

RR # 4

ST THOMAS, ON

CA N5P 3S8

Contact: Bernie Higgs



Oil Condition

Visc @ 40°C	cSt	74.4	80.7	79.4	74.7
Visc @ 100°C	cSt	12.0	---	---	---
Viscosity Index (VI)	Scale	157	---	---	---

T: (519)631-4095

F: (519)631-2745



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	1	2	2
Sodium	ppm	4	<1	<1	<1
Potassium	ppm	5	0	<1	<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	85	22	16	37
Copper	ppm	1	1	1	2
Lead	ppm	0	<1	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	<1	<1
Chromium	ppm	<1	0	0	0
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	<1	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	78	73	67	81
Magnesium	ppm	18	16	14	12
Zinc	ppm	125	117	111	130
Phosphorus	ppm	790	1068	1130	1085
Barium	ppm	<1	<1	0	0
Boron	ppm	88	248	240	232

Depot: HIGSTT

Unique No: 5800858

Signed: Wes Davis

Report Date: 21 Jun 2024



Graphs

