

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR HS895 188244 - Front Winch

Sample No: LH0289542

Oil Type: GEAR OIL SAE 75W90



Sample Information

Sample Number	LH0289542	---	---	---
Sample Date	10 May 2024	---	---	---
Machine Hours	21278	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

HIGGS & HIGGS

RR # 4

ST THOMAS, ON

CA N5P 3S8

Contact: Bernie Higgs



Oil Condition

Visc @ 40°C	cSt	● 93.5	---	---	---
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T: (519)631-4095

F: (519)631-2745



Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● <1	---	---	---
Sodium	ppm	● 7	---	---	---
Potassium	ppm	● 12	---	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 75W90. Please confirm.

All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



Wear Metals

Iron	ppm	● 34	---	---	---
Copper	ppm	● 22	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	0	---	---	---



Additives

Calcium	ppm	● 13	---	---	---
Magnesium	ppm	● 3	---	---	---
Zinc	ppm	● 19	---	---	---
Phosphorus	ppm	● 738	---	---	---
Barium	ppm	● <1	---	---	---
Boron	ppm	● 58	---	---	---

Depot: HIGSTT

Unique No: 5801744

Signed: Wes Davis

Report Date: 26 Jun 2024



Graphs

