

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR HS855 188213 - 2 Winch

Sample No: LH0286778

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0286778	LH0277448	---	---
Sample Date	25 Mar 2024	28 Oct 2023	---	---
Machine Hours	30563	25010	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

C & M McNally

4380 S Service Rd,

Burlington, ON

CA L7L 5Y6

Contact: A McNally

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OIL CONDITION

Visc @ 40°C	cSt	54.4	56.4	---	---
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CONTAMINATION

Water	%	NEG	0.021	---	---
Silicon	ppm	<1	2	---	---
Sodium	ppm	0	<1	---	---
Potassium	ppm	<1	0	---	---



WEAR METALS

Iron	ppm	12	14	---	---
Copper	ppm	4	6	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	<1	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	48	51	---	---
Magnesium	ppm	<1	0	---	---
Zinc	ppm	542	583	---	---
Phosphorus	ppm	438	530	---	---
Barium	ppm	<1	<1	---	---
Boron	ppm	2	19	---	---

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. Viscosity of sample indicates oil is within ISO 46 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

Diagnosis

Depot: MCNBUR

Unique No: 5759850

Signed: Kevin Marson

Report Date: 04 Apr 2024

Contact/Location: A McNally - MCNBUR



GRAPHS

