

LIEBHERR

CONSTRUCTION EQUIPMENT



[MENARD] LIEBHERR HS855 184638 - 2 Winch

Sample No: LH0291243

Oil Type: GEAR OIL SAE 80W140



LIEBHERR CANADA LTD.
 1015 SUTTON DRIVE
 BURLINGTON, ON
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Sample Information

Sample Number	LH0291243	---	---	---
Sample Date	02 May 2024	---	---	---
Machine Hours	15916	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



Oil Condition

Visc @ 40°C	cSt	● 278	---	---	---
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Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● 4	---	---	---
Sodium	ppm	● <1	---	---	---
Potassium	ppm	● 0	---	---	---



Wear Metals

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



Additives

Calcium	ppm	● 5	---	---	---
Magnesium	ppm	● 0	---	---	---
Zinc	ppm	● 3	---	---	---
Phosphorus	ppm	● 815	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 7	---	---	---

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 80W140. 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.



Graphs

