

LIEBHERR

CONSTRUCTION EQUIPMENT



[MARATHON] LIEBHERR HS855 184576 - Left Track Drive

Sample No: LH0296758

Oil Type: GEAR OIL SAE 75W90



LIEBHERR CANADA LTD.
 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
 Contact: Steve Lehto
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Sample Information

Sample Number	LH0296758	LH0140852	---	---
Sample Date	27 Jun 2024	30 May 2019	---	---
Machine Hours	25032	0	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---



Oil Condition

Visc @ 40°C	cSt	● 129	● 108	---	---
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Contamination

Water	%	● 0.020	NEG	---	---
Silicon	ppm	● 135	● 32	---	---
Sodium	ppm	● 9	● 4	---	---
Potassium	ppm	● 12	● 3	---	---



Wear Metals

Iron	ppm	● 176	● 44	---	---
Copper	ppm	● 25	● 8	---	---
Lead	ppm	● <1	● <1	---	---
Tin	ppm	● 1	● 0	---	---
Aluminum	ppm	● 32	● 10	---	---
Chromium	ppm	● 2	● <1	---	---
Molybdenum	ppm	● 0	● <1	---	---
Nickel	ppm	● 2	● <1	---	---
Titanium	ppm	2	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 2	● <1	---	---
Vanadium	ppm	0	0	---	---



Additives

Calcium	ppm	● 84	● 22	---	---
Magnesium	ppm	● 13	● 4	---	---
Zinc	ppm	● 11	● 32	---	---
Phosphorus	ppm	409	● 1413	---	---
Barium	ppm	● 2	● <1	---	---
Boron	ppm	● 37	● 227	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIEMIS
 Unique No: 5802493
 Signed: Kevin Marson
 Report Date: 03 Jul 2024



Graphs

