

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 137424-1253 - Transmission (Manual)

Sample No: LH0228736

Oil Type: PETRO CANADA DURON UHP E6 10W40



**CAC ENTERPRISES GROUP INC.**  
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 EDMONTON, AB  
 CA T6P 1P6  
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#### SAMPLE INFORMATION

Sample Number	LH0228736	LH0228724	---	---
Sample Date	21 Jun 2023	25 Nov 2022	---	---
Machine Hours	2000	1000	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	46.3	47.7	---	---
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#### CONTAMINATION

Silicon	ppm	4	5	---	---
Sodium	ppm	55	59	---	---
Potassium	ppm	4	4	---	---



#### WEAR METALS

Iron	ppm	41	47	---	---
Copper	ppm	53	46	---	---
Lead	ppm	2	1	---	---
Tin	ppm	2	2	---	---
Aluminum	ppm	5	6	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	35	47	---	---
Vanadium	ppm	<1	<1	---	---



#### ADDITIVES

Calcium	ppm	3304	3438	---	---
Magnesium	ppm	8	8	---	---
Zinc	ppm	1158	1133	---	---
Phosphorus	ppm	1135	1163	---	---
Barium	ppm	1	1	---	---
Boron	ppm	5	6	---	---

#### 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 fluid. Additive levels indicate the addition of a different brand, or type of fluid. Viscosity of sample indicates oil is within SAE 10W range, advise investigate. The condition of the fluid is acceptable for the time in service.

Depot: CAC241EDM  
 Unique No: 5620788  
 Signed: Kevin Marson  
 Report Date: 14 Aug 2023



### GRAPHS

