

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 136518-1253 - Transmission (Manual)

Sample No: LH0228856

Oil Type: PETRO CANADA DURON UHP E6 10W40



CAC ENTERPRISES GROUP INC.
 2411 76th AVE
 EDMONTON, AB
 CA T6P 1P6
 Contact: Melody Cui
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SAMPLE INFORMATION

Sample Number	LH0228856	LH0228844	---	---
Sample Date	05 Jun 2023	16 Nov 2022	---	---
Machine Hours	2000	1000	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	56.4	49.6	---	---
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CONTAMINATION

Silicon	ppm	5	4	---	---
Sodium	ppm	15	35	---	---
Potassium	ppm	2	3	---	---



WEAR METALS

Iron	ppm	21	30	---	---
Copper	ppm	21	30	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	2	3	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	40	0	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	15	25	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	1862	3332	---	---
Magnesium	ppm	654	10	---	---
Zinc	ppm	1206	1122	---	---
Phosphorus	ppm	1160	1116	---	---
Barium	ppm	<1	<1	---	---
Boron	ppm	3	5	---	---

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. Viscosity of sample indicates oil is within SAE 20 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 fluid is acceptable for the time in service.

Depot: CAC241EDM
 Unique No: 5620804
 Signed: Kevin Marson
 Report Date: 14 Aug 2023



GRAPHS

