

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 137424-1253 - Diesel Engine

Sample No: LH0228732

Oil Type: PETRO CANADA DURON UHP 10W40



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

Sample Number	LH0228732	LH	LH0228720	---
Sample Date	21 Jun 2023	02 Apr 2023	25 Nov 2022	---
Machine Hours	2000	0	1000	---
Oil Hours	0	0	0	---
Oil Changed	Changed	N/A	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 100°C	cSt	13.2	13.0	12.8	---
Oxidation (PA)	%	63	97	92	---



CONTAMINATION

Soot %	%	0	0.8	0	---
Nitration (PA)	%	64	116	74	---
Sulfation (PA)	%	55	75	71	---
Glycol	%	NEG	0.0	0.0	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	7	9	6	---
Sodium	ppm	2	5	2	---
Potassium	ppm	<1	4	<1	---



WEAR METALS

Iron	ppm	4	40	5	---
Copper	ppm	35	312	284	---
Lead	ppm	1	10	8	---
Tin	ppm	<1	3	<1	---
Aluminum	ppm	1	4	2	---
Chromium	ppm	<1	3	<1	---
Molybdenum	ppm	58	64	56	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1035	1024	1125	---
Magnesium	ppm	982	985	947	---
Zinc	ppm	1176	1183	1119	---
Phosphorus	ppm	1021	1051	1011	---
Barium	ppm	<1	6	6	---
Boron	ppm	1	12	12	---

Diagnosis

Resample at the next service interval to monitor. 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.

Depot: CAC241EDM
 Unique No: 5620664
 Signed: Wes Davis
 Report Date: 14 Aug 2023



GRAPHS

