

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 136518-1253 - Diesel Engine

Sample No: LH0228849

Oil Type: PETRO CANADA DURON UHP E6 10W40



SAMPLE INFORMATION

Sample Number	LH0228849	LH0228840	LH0228837	---
Sample Date	24 Mar 2023	16 Nov 2022	09 Sep 2022	---
Machine Hours	1500	1000	500	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

CAC ENTERPRISES GROUP INC.

2411 76th AVE
EDMONTON, AB
CA T6P 1P6

Contact: Melody Cui
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OIL CONDITION

Visc @ 100°C	cSt	13.2	12.9	12.0	---
Oxidation (PA)	%	62	83	208	---



CONTAMINATION

Soot %	%	0	0	0	---
Nitration (PA)	%	63	65	103	---
Sulfation (PA)	%	54	64	114	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	0.9	---
Silicon	ppm	6	9	12	---
Sodium	ppm	1	1	2	---
Potassium	ppm	<1	<1	3	---

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.



WEAR METALS

Iron	ppm	4	5	11	---
Copper	ppm	13	71	180	---
Lead	ppm	<1	2	8	---
Tin	ppm	<1	<1	1	---
Aluminum	ppm	1	1	3	---
Chromium	ppm	<1	0	1	---
Molybdenum	ppm	57	56	45	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	2	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1044	1102	1343	---
Magnesium	ppm	983	948	897	---
Zinc	ppm	1184	1124	815	---
Phosphorus	ppm	1049	1023	723	---
Barium	ppm	<1	3	32	---
Boron	ppm	2	10	94	---

Depot: CAC241EDM
Unique No: 5620665
Signed: Wes Davis
Report Date: 14 Aug 2023



GRAPHS

