

LIEBHERR

CONSTRUCTION EQUIPMENT



[(369353)] LIEBHERR LH30M 136880-1253 - Diesel Engine

Sample No: LH0281010

Oil Type: PETRO CANADA 10W40



SAMPLE INFORMATION

Sample Number	LH0281010	LH0242043	LH0260560	LH0260668
Sample Date	13 Mar 2024	23 Nov 2023	12 Sep 2023	27 Jul 2023
Machine Hours	5489	4745	4272	3963
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

West Coast Metal Recycling

5771 Production Way

Langley, BC

CA V3A 4N5

Contact: Terry .

terry@gotmetal.ca

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OIL CONDITION

Visc @ 100°C	cSt	12.7	13.9	13.7	13.1
Oxidation (PA)	%	70	57	60	93



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	70	49	55	88
Sulfation (PA)	%	54	50	51	68
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	7	8	8
Sodium	ppm	<1	1	1	2
Potassium	ppm	0	0	1	<1

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	2	3	9
Copper	ppm	2	<1	3	19
Lead	ppm	0	0	<1	1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	0	<1	1	1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	59	58	58	66
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1087	1067	1137	1359
Magnesium	ppm	997	955	948	789
Zinc	ppm	1210	1198	1222	1172
Phosphorus	ppm	1009	1008	1079	1002
Barium	ppm	0	<1	0	2
Boron	ppm	0	1	3	11

Depot: WES577LAN

Unique No: 5748434

Signed: Wes Davis

Report Date: 20 Mar 2024



GRAPHS

