

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH0115630

Oil Type: PETRO CANADA 10W40



Sample Information

Sample Number	LH0115630	LH0281010	LH0242043	LH0260560
Sample Date	18 Jun 2024	13 Mar 2024	23 Nov 2023	12 Sep 2023
Machine Hours	6158	5489	4745	4272
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	12.9	12.7	13.9	13.7
Oxidation (PA)	%	69	70	57	60



Contamination

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	73	70	49	55
Sulfation (PA)	%	53	54	50	51
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	9	7	7	8
Sodium	ppm	1	<1	1	1
Potassium	ppm	0	0	0	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	4	2	3
Copper	ppm	2	2	<1	3
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	0	<1	1
Chromium	ppm	<1	0	0	<1
Molybdenum	ppm	58	59	58	58
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	0	0	<1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	1044	1087	1067	1137
Magnesium	ppm	956	997	955	948
Zinc	ppm	1169	1210	1198	1222
Phosphorus	ppm	1025	1009	1008	1079
Barium	ppm	0	0	<1	0
Boron	ppm	<1	0	1	3

Depot: WES577LAN

Unique No: 5814156

Signed: Kevin Marson

Report Date: 18 Jul 2024



Graphs

