

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 117 273-1253 - Diesel Engine

Sample No: LH0242048

Oil Type: PETRO CANADA 10W40



SAMPLE INFORMATION

Sample Number	LH0242048	LH0242029	LH0260658	LH0240764
Sample Date	23 Nov 2023	21 Sep 2023	27 Jul 2023	05 Oct 2022
Machine Hours	9430	9114	8795	7029
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	13.7	13.8	13.3	13.0
Oxidation (PA)	%	61	63	81	75



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	60	62	90	81
Sulfation (PA)	%	51	53	66	57
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	8	8	6
Sodium	ppm	1	2	2	2
Potassium	ppm	<1	<1	<1	0

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	2	2	5	5
Copper	ppm	1	2	4	2
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	<1	<1	1	1
Chromium	ppm	0	0	<1	0
Molybdenum	ppm	59	59	66	59
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	<1
Silver	ppm	<1	<1	<1	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1060	1128	1282	1099
Magnesium	ppm	956	928	815	964
Zinc	ppm	1198	1187	1176	1203
Phosphorus	ppm	1010	991	1007	1051
Barium	ppm	<1	0	0	0
Boron	ppm	1	3	7	1

Depot: WES577LAN

Unique No: 5685147

Signed: Kevin Marson

Report Date: 01 Dec 2023



GRAPHS

