

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 099527-1253 - Diesel Engine

Sample No: LH0250575

Oil Type: PETRO CANADA 10W40



SAMPLE INFORMATION

Sample Number	LH0250575	LH0260642	LH0246871	LH0218555
Sample Date	13 Sep 2023	26 Apr 2023	08 Feb 2023	16 Mar 2022
Machine Hours	11483	10800	10338	8286
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

T:

F:



OIL CONDITION

Visc @ 100°C	cSt	13.6	13.5	13.0	12.6
Oxidation (PA)	%	78	67	102	81



CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	87	77	108	85
Sulfation (PA)	%	60	53	74	65
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	7	13	12
Sodium	ppm	2	2	2	2
Potassium	ppm	2	<1	<1	1



WEAR METALS

Iron	ppm	4	4	7	6
Copper	ppm	2	2	5	3
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	1	1	1	2
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	63	59	62	91
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1255	1114	1152	1118
Magnesium	ppm	880	979	1000	1013
Zinc	ppm	1240	1236	1209	1257
Phosphorus	ppm	1091	1104	1036	1079
Barium	ppm	0	0	0	0
Boron	ppm	8	<1	<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.

Depot: WES577LAN

Unique No: 5644826

Signed: Wes Davis

Report Date: 20 Sep 2023



GRAPHS

