

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [WEST COAST] LIEBHERR A924C 060467 - Diesel Engine

Sample No: LH0288023

Oil Type: PETRO CANADA 10W40



#### Sample Information

Sample Number	LH0288023	LH0260575	LH0226722	LH0162196
Sample Date	08 May 2024	27 Apr 2023	17 May 2022	02 May 2021
Machine Hours	24317	22672	21273	19345
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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F:



#### Oil Condition

Visc @ 100°C	cSt	13.6	13.0	13.3	13.4
Oxidation (PA)	%	67	63	52	60



#### Contamination

Water	%	NEG	NEG	NEG	NEG
Soot %	%	1.6	0.8	0.4	0.6
Nitration (PA)	%	83	76	58	65
Sulfation (PA)	%	64	57	55	57
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	6	6	6
Sodium	ppm	3	2	2	3
Potassium	ppm	0	<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.



#### Wear Metals

Iron	ppm	23	13	12	12
Copper	ppm	3	4	2	4
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	2	2	<1	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	63	65	61	85
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### Additives

Calcium	ppm	1156	1337	1105	1083
Magnesium	ppm	1013	836	970	965
Zinc	ppm	1272	1245	1229	1282
Phosphorus	ppm	1021	1134	1085	1052
Barium	ppm	0	0	0	<1
Boron	ppm	<1	8	3	3

Depot: WES577LAN  
Unique No: 5775624  
Signed: Wes Davis  
Report Date: 10 May 2024

Contact/Location: Terry . - WES577LAN



### Graphs

