

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR R926LC 039817-1320 - Diesel Engine

Sample No: LH0288056

Oil Type: PETRO CANADA 10W40



#### Sample Information

Sample Number	LH0288056	LH0284060	LH0242103	LH0260489
Sample Date	01 May 2024	30 Jan 2024	17 Oct 2023	22 Jun 2023
Machine Hours	8532	8073	7591	7026
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**ECOWASTE INDUSTRIES**  
 4 SPRUCE ST  
 NEW WESTMINSTER, BC  
 CA V3L 5G6  
 Contact: Service Manager



#### Oil Condition

Visc @ 100°C	cSt	14.3	13.7	13.6	13.8
Oxidation (PA)	%	86	66	65	66

T:  
F:



#### Contamination

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.1	0.1	0.1
Nitration (PA)	%	92	69	68	71
Sulfation (PA)	%	65	54	53	54
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	14	9	11	9
Sodium	ppm	2	2	2	2
Potassium	ppm	<1	<1	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	10	4	4	6
Copper	ppm	4	2	2	2
Lead	ppm	6	2	2	1
Tin	ppm	0	0	0	0
Aluminum	ppm	2	2	1	1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	66	61	60	62
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	<1	0	0	<1
Vanadium	ppm	0	0	0	0



#### Additives

Calcium	ppm	1196	1126	1131	1078
Magnesium	ppm	1101	1009	981	1033
Zinc	ppm	1333	1228	1227	1237
Phosphorus	ppm	1105	1065	1016	1107
Barium	ppm	<1	0	<1	0
Boron	ppm	<1	<1	1	<1

Depot: ECONEW  
 Unique No: 5773890  
 Signed: Kevin Marson  
 Report Date: 02 May 2024



### Graphs

