

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L556 053602-1484 - Diesel Engine

Sample No: LH0281542

Oil Type: PETRO CANADA 10W40



#### Sample Information

Sample Number	LH0281542	LH0215735	LH0274748	LH0270379
Sample Date	11 Jan 2024	13 Oct 2023	29 Aug 2023	14 Jul 2023
Machine Hours	7741	7226	6756	6154
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

THOMAS CAVANAGH CONSTRUCTION LTD  
RR # 2, 9094 CAVANAGH ROAD  
ASHTON, ON  
CA K0A 1B0  
Contact: Keith



#### Oil Condition

Visc @ 100°C	cSt	13.6	12.6	13.6	13.8
Oxidation (PA)	%	55	56	52	56

T: (613)257-4995  
F: (613)253-0071



#### Contamination

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	49	50	51	53
Sulfation (PA)	%	50	51	52	52
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	5	5	14
Sodium	ppm	<1	2	2	2
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	2	2	4	4
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	<1	<1	<1
Tin	ppm	<1	0	0	0
Aluminum	ppm	1	<1	<1	2
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	57	59	56	53
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	<1	7
Silver	ppm	0	<1	<1	<1
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



#### Additives

Calcium	ppm	1062	1043	1046	1069
Magnesium	ppm	968	968	965	927
Zinc	ppm	1165	1177	1170	1180
Phosphorus	ppm	1003	1004	1022	1052
Barium	ppm	0	<1	0	<1
Boron	ppm	1	1	1	7

Depot: CAVASH  
Unique No: 5710284  
Signed: Kevin Marson  
Report Date: 17 Jan 2024



### Graphs

