

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 114790-1253 - Diesel Engine

Sample No: LH0288041

Oil Type: PETRO CANADA 10W40



DAVIS TRADING & SUPPLY LTD.
 110 GRANT STREET
 VANCOUVER, BC
 CA V6A 2J6
 Contact: Service Manager



Sample Information

Sample Number	LH0288041	LH0280955	LH0242113	LH0260615
Sample Date	12 Apr 2024	19 Jan 2024	10 Oct 2023	02 Jun 2023
Machine Hours	9051	8550	7937	7165
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Not Changd
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL



Oil Condition

Visc @ 40°C	cSt	84.7	---	---	---
Visc @ 100°C	cSt	12.8	12.4	11.4	13.8
Viscosity Index (VI)	Scale	149	---	---	---
Oxidation (PA)	%	63	66	75	56

T:
F:

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.



Contamination

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	64	70	75	45
Sulfation (PA)	%	52	52	58	50
Glycol	%	NEG	NEG	0.0	NEG
Fuel	%	<1.0	<1.0	3	<1.0
Silicon	ppm	9	9	7	8
Sodium	ppm	1	1	2	<1
Potassium	ppm	0	<1	17	<1



Wear Metals

Iron	ppm	3	4	5	2
Copper	ppm	<1	2	6	3
Lead	ppm	0	<1	2	<1
Tin	ppm	0	<1	<1	0
Aluminum	ppm	<1	1	1	1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	57	58	60	57
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	<1	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	1059	1086	1141	1089
Magnesium	ppm	974	954	908	949
Zinc	ppm	1191	1176	1151	1204
Phosphorus	ppm	1000	1011	920	1086
Barium	ppm	0	0	<1	0
Boron	ppm	<1	1	6	1

Depot: DAV110VAN
 Unique No: 5762576
 Signed: Wes Davis
 Report Date: 17 Apr 2024



Graphs

