

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 114790-1253 - Diesel Engine

Sample No: LH0280955

Oil Type: PETRO CANADA 10W40



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



SAMPLE INFORMATION

Sample Number	LH0280955	LH0242113	LH0260615	LH0250468
Sample Date	19 Jan 2024	10 Oct 2023	02 Jun 2023	24 Mar 2023
Machine Hours	8550	7937	7165	6744
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	ABNORMAL



OIL CONDITION

Visc @ 100°C	cSt	12.4	11.4	13.8	13.1
Oxidation (PA)	%	66	75	56	72



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	70	75	45	86
Sulfation (PA)	%	52	58	50	68
Glycol	%	NEG	0.0	NEG	NEG
Fuel	%	<1.0	3	<1.0	<1.0
Silicon	ppm	9	7	8	7
Sodium	ppm	1	2	<1	4
Potassium	ppm	<1	17	<1	4



WEAR METALS

Iron	ppm	4	5	2	8
Copper	ppm	2	6	3	115
Lead	ppm	<1	2	<1	4
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	1	1	1	2
Chromium	ppm	0	0	0	0
Molybdenum	ppm	58	60	57	61
Nickel	ppm	<1	0	0	1
Titanium	ppm	0	0	0	<1
Silver	ppm	<1	<1	0	<1
Manganese	ppm	0	0	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1086	1141	1089	1112
Magnesium	ppm	954	908	949	902
Zinc	ppm	1176	1151	1204	1127
Phosphorus	ppm	1011	920	1086	921
Barium	ppm	0	<1	0	0
Boron	ppm	1	6	1	2

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.

Depot: DAV110VAN
 Unique No: 5719947
 Signed: Kevin Marson
 Report Date: 25 Jan 2024



GRAPHS

