

LIEBHERR

CONSTRUCTION EQUIPMENT



[(368399)] LIEBHERR LH26M 135984-1252 - Diesel Engine

Sample No: LH0225717
 Oil Type: DIESEL ENGINE OIL SAE 10W30



TJ LOADING INC.
 2651 HIGHWAY 420
 SILLIKERS, NB
 CA E9E 1T8
 Contact: Service Manager



Sample Information

Sample Number	LH0225717	LH0225714	LH0225692	LH0225695
Sample Date	28 Jun 2024	01 Dec 2023	05 May 2023	05 May 2023
Machine Hours	3780	3000	1500	1500
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	N/A	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



Oil Condition

Visc @ 100°C	cSt	11.7	11.8	11.7	11.7
Oxidation (PA)	%	67	67	65	66



Contamination

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	54	58	50	58
Sulfation (PA)	%	56	57	56	57
Glycol	%	0.0	NEG	0.0	0.0
Fuel	%	<1.0	<1.0	0.9	0.8
Silicon	ppm	4	4	5	6
Sodium	ppm	3	2	2	2
Potassium	ppm	12	9	7	7



Wear Metals

Iron	ppm	5	6	4	9
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	1	<1	1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	2130	2216	2150	2188
Magnesium	ppm	13	14	14	13
Zinc	ppm	1092	1135	1102	1157
Phosphorus	ppm	958	967	1047	1054
Barium	ppm	0	0	0	0
Boron	ppm	162	155	172	157

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: TJLSIL
 Unique No: 5812203
 Signed: Kevin Marson
 Report Date: 10 Jul 2024



Graphs

