

LIEBHERR

CONSTRUCTION EQUIPMENT



[(346464)] LIEBHERR LH30M 124535-1253 - Diesel Engine

Sample No: LH0286582

Oil Type: PETRO CANADA SUPREME 5W30



JOHN ROSS & SONS LTD.
 85 GLASSY AVENUE
 TRURO, NS
 CA B2N 6Z1
 Contact: Service Manager



Sample Information

Sample Number	LH0286582	LH0269656	LH0234541	LH0224223
Sample Date	16 Mar 2024	14 Jan 2024	12 Jun 2022	04 Apr 2022
Machine Hours	6121	5749	2437	2025
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



Oil Condition

Visc @ 100°C	cSt	11.3	11.0	11.1	11.9
Oxidation (PA)	%	72	76	73	84

T:
F:



Contamination

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	69	78	75	73
Sulfation (PA)	%	54	55	61	67
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	7	8	7
Sodium	ppm	4	4	4	4
Potassium	ppm	<1	2	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	4	3	4
Copper	ppm	<1	1	3	11
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	<1	2	1	1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	58	58	59	51
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	807	818	858	740
Magnesium	ppm	1107	1084	1147	1038
Zinc	ppm	1180	1191	1265	1134
Phosphorus	ppm	1005	1024	1093	1096
Barium	ppm	0	0	0	<1
Boron	ppm	46	40	39	61

Depot: JOHTRU
 Unique No: 5760038
 Signed: Wes Davis
 Report Date: 05 Apr 2024



Graphs

