

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 156991 - Diesel Engine

Sample No: LH0289726

Oil Type: DIESEL ENGINE OIL SAE 40



LIEBHERR CANADA LTD.
 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
 Contact: Steve Lehto
 steve.lehto@liebherr.com
 T: (905)319-9222
 F: (905)319-6617



Sample Information

Sample Number	LH0289726	LH0285073	---	---
Sample Date	21 Apr 2024	04 Mar 2024	---	---
Machine Hours	1662	1005	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



Oil Condition

Visc @ 100°C	cSt	12.7	11.7	---	---
Oxidation (PA)	%	91	214	---	---



Contamination

Water	%	NEG	NEG	---	---
Soot %	%	0	0	---	---
Nitration (PA)	%	77	108	---	---
Sulfation (PA)	%	62	110	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	0.8	1.7	---	---
Silicon	ppm	6	8	---	---
Sodium	ppm	2	3	---	---
Potassium	ppm	<1	3	---	---



Wear Metals

Iron	ppm	6	15	---	---
Copper	ppm	15	93	---	---
Lead	ppm	<1	9	---	---
Tin	ppm	<1	1	---	---
Aluminum	ppm	1	2	---	---
Chromium	ppm	<1	1	---	---
Molybdenum	ppm	56	49	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



Additives

Calcium	ppm	1096	1324	---	---
Magnesium	ppm	952	929	---	---
Zinc	ppm	1137	859	---	---
Phosphorus	ppm	920	708	---	---
Barium	ppm	7	53	---	---
Boron	ppm	10	65	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



Graphs

