

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH26 91044-1199 - Diesel Engine

Sample No: LH0271510

Oil Type: DIESEL ENGINE OIL SAE 15W40



LES INDUSTRIES MAIBEC INC.
 340 ROUTE 173
 ST-THEOPHILLE, QC
 CA G0M 2A0
 Contact: Yvan Bisson
 yvan.bisson@maibec.com
 T: (418)356-4233
 F:



SAMPLE INFORMATION

Sample Number	LH0271510	LH0260907	LH	LH
Sample Date	15 Sep 2023	26 May 2023	06 Dec 2022	03 Jun 2021
Machine Hours	0	6989	6092	0
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 100°C	cSt	13.1	12.3	12.6	13.1
Oxidation (PA)	%	61	76	64	59



CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	54	60	55	56
Sulfation (PA)	%	54	61	57	54
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	4	5
Sodium	ppm	2	3	2	2
Potassium	ppm	1	<1	0	<1



WEAR METALS

Iron	ppm	4	5	4	6
Copper	ppm	<1	<1	<1	1
Lead	ppm	<1	<1	<1	<1
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	<1	1	1	1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	59	56	58	59
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	<1	0	0	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1028	864	1085	1071
Magnesium	ppm	962	979	955	974
Zinc	ppm	1199	1125	1192	1281
Phosphorus	ppm	995	1144	1071	1023
Barium	ppm	0	0	0	0
Boron	ppm	8	45	11	8

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: LESSTT
 Unique No: 5645875
 Signed: Wes Davis
 Report Date: 25 Sep 2023



GRAPHS

