

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60 1217-146108 - Diesel Engine

Sample No: LH0269005

Oil Type: DURALENE Dura-Max 15W40



SAMPLE INFORMATION

Sample Number	LH0269005	---	---	---
Sample Date	04 Dec 2023	---	---	---
Machine Hours	1154	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

CONSERVIT INC.
 PO BOX 1517
 HAGERSTOWN, MD
 US 21740
 Contact: DON LONG
 dlong@conservit.biz
 T: (301)791-0100
 F: (301)739-8548



OIL CONDITION

Visc @ 100°C	cSt	12.7	---	---	---
Base Number (BN)	mg KOH/g	5.7	---	---	---
Oxidation (PA)	%	60	---	---	---

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	63	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	4	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	3	---	---	---



WEAR METALS

Iron	ppm	5	---	---	---
Copper	ppm	95	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	4	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	2225	---	---	---
Magnesium	ppm	84	---	---	---
Zinc	ppm	1063	---	---	---
Phosphorus	ppm	839	---	---	---
Barium	ppm	2	---	---	---
Boron	ppm	4	---	---	---

Depot: CONHAG
Unique No: 10808766
Signed: Wes Davis
Report Date: 02 Jan 2024



GRAPHS

