

LIEBHERR

CONSTRUCTION EQUIPMENT



1528-145795 LIEBHERR LH60C 1528-145795 - Diesel Engine

Sample No: LHMC149968

Oil Type: DIESEL ENGINE OIL SAE 5W30



Sample Information

Sample Number	LHMC149968	DJJ0017860	DJJ0017626	---
Sample Date	14 Jun 2024	13 Mar 2024	20 Oct 2023	---
Machine Hours	2294	1771	948	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	Changed	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---

RIVER METALS RECYCLING - NEWPORT
P.O. BOX 72-220
NEWPORT, KY
US 41072
Contact: RYAN BOWDEN



Oil Condition

Visc @ 100°C	cSt	12.1	12.1	12.1	---
Base Number (BN)	mg KOH/g	8.6	6.8	4.7	---
Oxidation (PA)	%	103	94	202	---

T:
F: (859)291-0086



Contamination

Water	%	NEG	NEG	NEG	---
Soot %	%	0.1	0.1	0.1	---
Nitration (PA)	%	106	97	98	---
Sulfation (PA)	%	59	59	109	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	8	6	9	---
Sodium	ppm	1	2	7	---
Potassium	ppm	7	4	24	---

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.



Wear Metals

Iron	ppm	4	6	10	---
Copper	ppm	3	5	217	---
Lead	ppm	<1	0	5	---
Tin	ppm	0	0	2	---
Aluminum	ppm	3	2	3	---
Chromium	ppm	<1	0	<1	---
Molybdenum	ppm	44	45	44	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	0	1	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	1400	1549	1356	---
Magnesium	ppm	918	620	922	---
Zinc	ppm	901	957	919	---
Phosphorus	ppm	758	812	662	---
Barium	ppm	0	<1	28	---
Boron	ppm	73	61	99	---

Depot: RIVNEW
Unique No: 11098674
Signed: Don Baldrige
Report Date: 27 Jun 2024



Graphs

