

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60C 1528-132602 - Diesel Engine

Sample No: LH0210081

Oil Type: CHEVRON SUPREME MOTOR OIL 5W30



SAMPLE INFORMATION

Sample Number	LH0210081	LH0210075	LH0210073	LH0210066
Sample Date	16 Mar 2024	22 Jan 2024	18 Nov 2023	22 Sep 2023
Machine Hours	6261	5938	5527	5266
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STAIMAN RECYCLING

201 HEPBURN ST
WILLIAMSPORT, PA
US 17701
Contact: JOE MARKLEY
jmarkleysr@staimanrecycling.com
T: (570)419-5479
F:



OIL CONDITION

Visc @ 100°C	cSt	11.7	11.7	13.4	13.1
Base Number (BN)	mg KOH/g	7.1	7.2	7.6	7.1
Oxidation (PA)	%	58	57	58	58

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	NEG	NEG	NEG
Soot %	%	0.1	0.1	0.1	0.1
Nitration (PA)	%	79	77	55	58
Sulfation (PA)	%	51	51	55	55
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	11	7	7	8
Sodium	ppm	0	0	<1	<1
Potassium	ppm	5	5	1	1



WEAR METALS

Iron	ppm	5	3	<1	4
Copper	ppm	2	1	<1	<1
Lead	ppm	<1	<1	0	<1
Tin	ppm	1	<1	<1	<1
Aluminum	ppm	1	2	3	0
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	4	6	81	82
Nickel	ppm	<1	0	<1	0
Titanium	ppm	1	1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	<1	0	0	<1



ADDITIVES

Calcium	ppm	1319	1306	1407	1398
Magnesium	ppm	693	656	402	391
Zinc	ppm	820	810	1306	1211
Phosphorus	ppm	765	646	1077	988
Barium	ppm	<1	0	0	0
Boron	ppm	89	112	425	424

Depot: STAWILLH
Unique No: 10949838
Signed: Don Baldrige
Report Date: 30 Mar 2024

LIEBHERR

CONSTRUCTION EQUIPMENT



GRAPHS

