

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(353864)] LIEBHERR L546 062410-1755 - Diesel Engine

Sample No: LH0260965

Oil Type: DIESEL ENGINE OIL SAE 40



#### SAMPLE INFORMATION

Sample Number	LH0260965	LH0226859	LH0251288	---
Sample Date	23 Jun 2023	14 Apr 2022	22 Nov 2021	---
Machine Hours	2406	1028	2023	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

**METAUX 139 INC.**  
86 RTE MARIE-VICTORIN  
PIERREVILLE, QC  
CA J0G 1J0  
Contact: Service Manager



#### OIL CONDITION

Visc @ 100°C	cSt	14.3	12.7	12.2	---
Oxidation (PA)	%	72	90	92	---

T:  
F:



#### CONTAMINATION

Soot %	%	0.1	0	0.1	---
Nitration (PA)	%	78	94	97	---
Sulfation (PA)	%	58	69	65	---
Glycol	%	0.0	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	3	5	6	---
Sodium	ppm	7	6	6	---
Potassium	ppm	12	2	1	---

#### 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.



#### WEAR METALS

Iron	ppm	17	29	27	---
Copper	ppm	1	43	4	---
Lead	ppm	<1	2	<1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	1	1	2	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	46	56	61	---
Nickel	ppm	<1	1	1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



#### ADDITIVES

Calcium	ppm	1429	1228	1000	---
Magnesium	ppm	762	943	1166	---
Zinc	ppm	1227	1221	1328	---
Phosphorus	ppm	1056	988	1148	---
Barium	ppm	0	0	0	---
Boron	ppm	24	34	27	---

Depot: MET126WIC  
Unique No: 5604990  
Signed: Wes Davis  
Report Date: 05 Jul 2023



### GRAPHS

