

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 138696-1253 - Diesel Engine

Sample No: LH0279139

Oil Type: PETRO CANADA DURON UHP 5W30



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



#### SAMPLE INFORMATION

Sample Number	LH0279139	LH0274185	LH0256081	LH0250761
Sample Date	26 Jan 2024	26 Sep 2023	14 Jun 2023	15 Feb 2023
Machine Hours	3129	2491	1925	1202
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	ABNORMAL	ABNORMAL	NORMAL



#### OIL CONDITION

Visc @ 100°C	cSt	12.6	11.3	10.9	12.6
Oxidation (PA)	%	62	76	80	72



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	62	78	79	64
Sulfation (PA)	%	51	55	58	60
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	1.2	1.3	<1.0
Silicon	ppm	8	6	6	6
Sodium	ppm	1	4	4	2
Potassium	ppm	<1	0	<1	<1



#### WEAR METALS

Iron	ppm	3	4	5	4
Copper	ppm	2	5	31	103
Lead	ppm	<1	<1	<1	3
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	1	<1	2	1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	58	60	62	57
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	1025	837	903	1112
Magnesium	ppm	967	1143	1115	956
Zinc	ppm	1178	1241	1252	1168
Phosphorus	ppm	1015	1067	1088	1068
Barium	ppm	0	<1	1	3
Boron	ppm	4	26	31	4

T:  
F:

#### 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: MET126WIC  
Unique No: 5721183  
Signed: Wes Davis  
Report Date: 30 Jan 2024



### GRAPHS

