

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH26M 118645-1252 - Diesel Engine

Sample No: LH0284737

Oil Type: PETRO CANADA DURON ADVANCED 5W30



**D.R. SCRAP METALS LTD.**  
 180 EDINBURG DRIVE  
 MONCTON, NB  
 CA E1E 2K7  
 Contact: Service Manager



#### SAMPLE INFORMATION

Sample Number	LH0284737	LH0266084	LH0250214	LH0246816
Sample Date	08 Feb 2024	29 Jun 2023	28 Mar 2023	18 Nov 2022
Machine Hours	8004	7037	6526	6006
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



#### OIL CONDITION

Visc @ 100°C	cSt	12.1	11.7	11.8	11.9
Oxidation (PA)	%	84	77	75	78



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	83	77	77	80
Sulfation (PA)	%	60	58	63	59
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	23	5	5
Sodium	ppm	5	5	4	5
Potassium	ppm	<1	<1	<1	0



#### WEAR METALS

Iron	ppm	12	13	11	12
Copper	ppm	2	2	1	1
Lead	ppm	<1	0	0	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	2	2	2	2
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	60	65	59	64
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	874	857	868	863
Magnesium	ppm	1174	1197	1125	1169
Zinc	ppm	1275	1255	1226	1219
Phosphorus	ppm	1069	1087	1116	1097
Barium	ppm	0	0	0	0
Boron	ppm	35	34	43	30

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: DRSMON  
 Unique No: 5724702  
 Signed: Wes Davis  
 Report Date: 14 Feb 2024



### GRAPHS

