

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR HS855 188213 - Diesel Engine

Sample No: LH0286784

Oil Type: PETRO CANADA 10W40



**C & M McNally**  
 4380 S Service Rd,  
 Burlington, ON  
 CA L7L 5Y6  
 Contact: A McNally  
 amcnally@mcnally.ca  
 T: (905)332-3990  
 F: (905)332-3991



#### SAMPLE INFORMATION

Sample Number	LH0286784	LH0277447	---	---
Sample Date	25 Mar 2024	28 Oct 2023	---	---
Machine Hours	50693	29010	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---



#### OIL CONDITION

Visc @ 100°C	cSt	13.0	12.3	---	---
Oxidation (PA)	%	106	93	---	---



#### CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0	0.1	---	---
Nitration (PA)	%	94	83	---	---
Sulfation (PA)	%	66	63	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	2.1	---	---
Silicon	ppm	3	6	---	---
Sodium	ppm	2	3	---	---
Potassium	ppm	1	<1	---	---

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	14	13	---	---
Copper	ppm	4	4	---	---
Lead	ppm	1	4	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	54	65	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---

Diagnosis



#### ADDITIVES

Calcium	ppm	1451	1556	---	---
Magnesium	ppm	816	1004	---	---
Zinc	ppm	1121	1365	---	---
Phosphorus	ppm	914	1104	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	27	18	---	---

Depot: MCNBUR  
 Unique No: 5759678  
 Signed: Kevin Marson  
 Report Date: 04 Apr 2024



### GRAPHS

