

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH18M 133780-1840 - Diesel Engine

Sample No: LH0261199

Oil Type: PETRO CANADA DURON UHP 5W30



SERVICES SANITAIRES ST-ANTOINE INC
 16600 RTE SIR WILFRID-LAURIER
 MIRABEL, QC
 CA J7J 2G3
 Contact: Service Manager

T:
 F:



SAMPLE INFORMATION

Sample Number	LH0261199	LH0260743	LH0250904	---
Sample Date	01 Sep 2023	26 May 2023	30 Jan 2023	---
Machine Hours	2973	2461	1835	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---



OIL CONDITION

Visc @ 100°C	cSt	13.9	12.2	13.6	---
Oxidation (PA)	%	71	83	72	---



CONTAMINATION

Soot %	%	0	0	0	---
Nitration (PA)	%	76	85	75	---
Sulfation (PA)	%	61	59	60	---
Glycol	%	NEG	NEG	0.0	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	11	27	30	---
Sodium	ppm	3	5	2	---
Potassium	ppm	0	0	0	---



WEAR METALS

Iron	ppm	15	17	20	---
Copper	ppm	3	3	6	---
Lead	ppm	<1	0	0	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	<1	1	2	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	63	67	64	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1181	911	1200	---
Magnesium	ppm	1047	1179	1062	---
Zinc	ppm	1306	1233	1327	---
Phosphorus	ppm	1126	1100	1163	---
Barium	ppm	0	0	0	---
Boron	ppm	5	39	2	---

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. Viscosity of sample indicates oil is within SAE 40 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: SERMIR
 Unique No: 5633266
 Signed: Kevin Marson
 Report Date: 05 Sep 2023



GRAPHS

