

LIEBHERR

CONSTRUCTION EQUIPMENT



102383 - Diesel Engine

Sample No: LH0202375

Oil Type: PETRO CANADA SUPREME 5W30



SAMPLE INFORMATION

Sample Number	LH0202375	---	---	---
Sample Date	24 Sep 2021	---	---	---
Machine Hours	2934	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

American Iron and Metal

75 Steel City Court
Hamilton, ON
CA L8H 3Y2
Contact: Heavy Equipment
hamiltonmobileassetmaintenance@aim-recycling.com
T: (905)547-5533
F: (905)544-5671



OIL CONDITION

Visc @ 100°C	cSt	13.1	---	---	---
Oxidation (PA)	%	59	---	---	---



CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	63	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	6	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	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	3	---	---	---
Copper	ppm	1	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	50	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1197	---	---	---
Magnesium	ppm	864	---	---	---
Zinc	ppm	1201	---	---	---
Phosphorus	ppm	1040	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	11	---	---	---

Depot: AMEHAM
Unique No: 5294204
Signed: Wes Davis
Report Date: 18 Oct 2021



GRAPHS

