

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR T55-7 024596-1708 - Diesel Engine

Sample No: LH0279340

Oil Type: PETRO CANADA DURON UHP 5W30



SAMPLE INFORMATION

Sample Number	LH0279340	LH	LH0251011	---
Sample Date	06 Dec 2023	15 May 2023	10 Feb 2023	---
Machine Hours	1412	0	645	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

RECYCLAGE FREDERICK MORIN
 1760 RUE SAINT-CLEOPHAS
 SAINT GABRIEL DE BRANDON, QC
 CA J0K 2N0
 Contact: Service Manager



OIL CONDITION

Visc @ 100°C	cSt	13.0	11.5	11.9	---
Oxidation (PA)	%	58	64	47	---

T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.2	0	0	---
Nitration (PA)	%	64	66	99	---
Sulfation (PA)	%	50	53	53	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	5	5	21	---
Sodium	ppm	2	4	5	---
Potassium	ppm	3	<1	3	---

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	16	16	56	---
Copper	ppm	2	2	12	---
Lead	ppm	1	<1	1	---
Tin	ppm	2	2	4	---
Aluminum	ppm	8	6	12	---
Chromium	ppm	<1	1	2	---
Molybdenum	ppm	58	52	<1	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	<1	<1	0	---
Manganese	ppm	0	<1	6	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1028	1042	4152	---
Magnesium	ppm	959	1017	208	---
Zinc	ppm	1174	1163	1252	---
Phosphorus	ppm	947	1072	1198	---
Barium	ppm	<1	0	4	---
Boron	ppm	6	53	195	---

Depot: RECSAI
 Unique No: 5694891
 Signed: Wes Davis
 Report Date: 08 Dec 2023



GRAPHS

