

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR T60-9 024742-1709 - Diesel Engine

Sample No: LH0279129

Oil Type: PETRO CANADA DURON UHP 10W40



SAMPLE INFORMATION

Sample Number	LH0279129	LH	---	---
Sample Date	01 Feb 2024	18 Apr 2023	---	---
Machine Hours	1012	500	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

LES EQUIPEMENTS SPM
 551 RUE J OSWALD FOREST
 SAINT-ROCH-DE-L'ACHIGAN, QC
 CA J0K 3H0
 Contact: Service Manager



OIL CONDITION

Visc @ 100°C	cSt	13.7	12.3	---	---
Oxidation (PA)	%	55	42	---	---

T:
F:



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	59	89	---	---
Sulfation (PA)	%	50	46	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	7	22	---	---
Sodium	ppm	2	4	---	---
Potassium	ppm	<1	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	24	48	---	---
Copper	ppm	3	10	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	2	3	---	---
Aluminum	ppm	10	11	---	---
Chromium	ppm	1	2	---	---
Molybdenum	ppm	53	4	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	4	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1271	3903	---	---
Magnesium	ppm	881	240	---	---
Zinc	ppm	1144	1215	---	---
Phosphorus	ppm	996	1169	---	---
Barium	ppm	0	2	---	---
Boron	ppm	13	204	---	---

Depot: LES551SAI2
Unique No: 5723080
Signed: Wes Davis
Report Date: 07 Feb 2024



GRAPHS

