

LIEBHERR

CONSTRUCTION EQUIPMENT



[AMICO] LIEBHERR Ta-230 150509 - Diesel Engine

Sample No: LH0281376

Oil Type: PETRO CANADA DURON UHP 5W30



SAMPLE INFORMATION

Sample Number	LH0281376	---	---	---
Sample Date	20 Dec 2023	---	---	---
Machine Hours	35911	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

AMICO
44890 EDGEWARE LINE
ST. THOMAS, ON
CA N5P 3T3
Contact: Service Manager



OIL CONDITION

Visc @ 100°C	cSt	11.2	---	---	---
Oxidation (PA)	%	152	---	---	---

T:
F:



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0	---	---	---
Nitration (PA)	%	92	---	---	---
Sulfation (PA)	%	89	---	---	---
Glycol	%	0.0	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	10	---	---	---
Sodium	ppm	6	---	---	---
Potassium	ppm	5	---	---	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	13	---	---	---
Copper	ppm	274	---	---	---
Lead	ppm	6	---	---	---
Tin	ppm	1	---	---	---
Aluminum	ppm	5	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	35	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1482	---	---	---
Magnesium	ppm	753	---	---	---
Zinc	ppm	910	---	---	---
Phosphorus	ppm	801	---	---	---
Barium	ppm	48	---	---	---
Boron	ppm	52	---	---	---

Depot: AMISTT
Unique No: 5706935
Signed: Kevin Marson
Report Date: 04 Jan 2024



GRAPHS

