



CONSTRUCTION EQUIPMENT

276539 NEW HOLLAND L223 NBM434666 - DIESEL ENGINE



Sample No: VCP339955
Oil Type: DIESEL ENGINE OIL SAE 10W30
Job No: 276539



SAMPLE INFORMATION

Sample Number	VCP339955	---	---	---
Sample Date	06 Jun 2023	---	---	---
Machine Hours	2484	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

ALTA EQUIPMENT

2500 WESTWARD DR
 SPRING GROVE, IL
 US 60081
 Contact: NICK DAVIDS
 nicholas.dauids@altaequipment.com
 T: (815)403-3028
 F:



OIL CONDITION

Visc @ 100°C	cSt	▲ 13.1	---	---	---
Base Number (BN)	mg KOH/g	■ 8.5	---	---	---
Oxidation (PA)	%	70	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Fuel system failure noted. All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is higher than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



CONTAMINATION

Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	66	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	■ 3	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 4	---	---	---



WEAR METALS

Iron	ppm	■ 10	---	---	---
Copper	ppm	■ 1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 37	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 1985	---	---	---
Magnesium	ppm	■ 296	---	---	---
Zinc	ppm	■ 1282	---	---	---
Phosphorus	ppm	■ 1032	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 165	---	---	---

Depot: ALTSPR
Unique No: 10536817
Signed: Doug Bogart
Report Date: 03 Jul 2023



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GRAPHS

