



CONSTRUCTION EQUIPMENT

TORO TX1300 410488172 - DIESEL ENGINE



Sample No: VCP387882
Oil Type: Diesel Engine Oil
Job No:



SAMPLE INFORMATION

Sample Number	VCP387882	---	---	---
Sample Date	10 Apr 2023	---	---	---
Machine Hours	700	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JIM STRIGLE
 JIM.STRIGLE@ALTG.COM
 T: (315)437-2611
 F: (315)434-9471



OIL CONDITION

Visc @ 100°C	cSt	11.9	---	---	---
Base Number (BN)	mg KOH/g	8.9	---	---	---
Oxidation (PA)	%	46	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	46	---	---	---
Sulfation (PA)	%	40	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	0.5	---	---	---
Silicon	ppm	13	---	---	---
Sodium	ppm	0	---	---	---
Potassium	ppm	2	---	---	---



WEAR METALS

Iron	ppm	14	---	---	---
Copper	ppm	4	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	51	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1103	---	---	---
Magnesium	ppm	949	---	---	---
Zinc	ppm	1198	---	---	---
Phosphorus	ppm	990	---	---	---
Barium	ppm	2	---	---	---
Boron	ppm	0	---	---	---

Depot: VOLV00142
Unique No: 10428251
Signed: Jonathan Hester
Report Date: 20 Apr 2023



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GRAPHS

