



CONSTRUCTION EQUIPMENT

19621 TGP CATERPILLAR 345BL AGSO1373 - DIESEL ENGINE



Sample No: VCP430754
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 19621 TGP



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SAMPLE INFORMATION

Sample Number	VCP430754	---	---	---
Sample Date	02 Oct 2023	---	---	---
Machine Hours	6400	---	---	---
Oil Hours	352	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 13.9	---	---	---
Base Number (BN)	mg KOH/g	█ 7.5	---	---	---
Oxidation (PA)	%	66	---	---	---



CONTAMINATION

Soot %	%	█ 0.5	---	---	---
Nitration (PA)	%	77	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 10	---	---	---



WEAR METALS

Iron	ppm	█ 24	---	---	---
Copper	ppm	█ 290	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 64	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1296	---	---	---
Magnesium	ppm	█ 862	---	---	---
Zinc	ppm	█ 1318	---	---	---
Phosphorus	ppm	█ 1093	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 18	---	---	---

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO8769
Unique No: 10701654
Signed: Don Baldrige
Report Date: 21 Oct 2023



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GRAPHS

