



CONSTRUCTION EQUIPMENT

19623 TGP CATERPILLAR D6N DJY00680 - DIESEL ENGINE



Sample No: VCP413335
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 19623 TGP



SAMPLE INFORMATION

Sample Number	VCP413335	---	---	---
Sample Date	29 Sep 2023	---	---	---
Machine Hours	3690	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

117 - ASCENDUM MACHINERY INC - GREENVILLE
 2002 N GREENE ST
 GREENVILLE, NC
 US 27834
 Contact: BRANDON JENKINS
 BRANDON.JENKINS@ASCENDUMMACHINERY.COM
 T:
 F: (704)494-8197



OIL CONDITION

Visc @ 100°C	cSt	█ 14.4	---	---	---
Base Number (BN)	mg KOH/g	█ 7.9	---	---	---
Oxidation (PA)	%	56	---	---	---

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.



CONTAMINATION

Soot %	%	█ 1.8	---	---	---
Nitration (PA)	%	76	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 1	---	---	---



WEAR METALS

Iron	ppm	█ 28	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 60	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1123	---	---	---
Magnesium	ppm	█ 976	---	---	---
Zinc	ppm	█ 1353	---	---	---
Phosphorus	ppm	█ 1120	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 7	---	---	---

Depot: VOLVO8769
Unique No: 10701640
Signed: Don Baldrige
Report Date: 21 Oct 2023



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GRAPHS

