



# CONSTRUCTION EQUIPMENT

## DIXSON CONSTRUCTION VOLVO A25F 80245 - DIESEL ENGINE



**Sample No:** VCP384961  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** DIXSON CONSTRUCTION



### SAMPLE INFORMATION

Sample Number	<b>VCP384961</b>	VCP189469	VCE228441	---
Sample Date	<b>16 Aug 2023</b>	27 Jan 2017	13 Jan 2016	---
Machine Hours	<b>6756</b>	3396	1809	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>N/A</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

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### OIL CONDITION

Visc @ 100°C	cSt	<b>12.4</b>	12.45	13.6	---
Base Number (BN)	mg KOH/g	<b>9.5</b>	---	---	---
Oxidation (PA)	%	<b>78</b>	80	56	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected 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	%	---	---	0.154	---
Soot %	%	<b>0.1</b>	0.3	0	---
Nitration (PA)	%	<b>59</b>	83	50	---
Sulfation (PA)	%	<b>60</b>	69	50	---
Glycol	%	<b>NEG</b>	NEG	NEG	---
Fuel	%	<b>1.8</b>	<1.0	<1.0	---
Silicon	ppm	<b>5</b>	10	6	---
Sodium	ppm	<b>2</b>	8	2	---
Potassium	ppm	<b>0</b>	3	2	---



### WEAR METALS

Iron	ppm	<b>11</b>	54	7	---
Copper	ppm	<b>&lt;1</b>	10	7	---
Lead	ppm	<b>0</b>	4	<1	---
Tin	ppm	<b>&lt;1</b>	0	1	---
Aluminum	ppm	<b>5</b>	6	3	---
Chromium	ppm	<b>&lt;1</b>	<1	<1	---
Molybdenum	ppm	<b>43</b>	56	81	---
Nickel	ppm	<b>0</b>	2	<1	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	1	<1	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>1812</b>	1334	1423	---
Magnesium	ppm	<b>572</b>	718	417	---
Zinc	ppm	<b>1203</b>	1046	1090	---
Phosphorus	ppm	<b>1005</b>	738	1001	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>58</b>	16	389	---

**Depot:** VOLV00117  
**Unique No:** 10619293  
**Signed:** Wes Davis  
**Report Date:** 28 Aug 2023



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## GRAPHS

