



# CONSTRUCTION EQUIPMENT

## VOLVO A25G 740206 - DIESEL ENGINE



**Sample No:** VCP440820  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP440820</b>	VCP426568	VCP200388	---
Sample Date	<b>03 Jul 2024</b>	29 Nov 2023	20 Jun 2016	---
Machine Hours	<b>6098</b>	5975	497	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>SEVERE</b>	ATTENTION	ABNORMAL	---

**ALTA EQUIPMENT COMPANY**  
 5151 DR MARTIN LUTHER KING BLVD  
 FORT MYERS, FL  
 US 33905  
 Contact: TODD LARK  
 tlark@altaequipfl.com  
 T:  
 F: (239)481-3302



### OIL CONDITION

Visc @ 100°C	cSt	<b>11.9</b>	11.6	11.00	---
Base Number (BN)	mg KOH/g	<b>16.8</b>	9.5	---	---
Oxidation (PA)	%	<b>84</b>	73	56	---

### Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high concentration of water present in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



### CONTAMINATION

Water	%	<b>2.74</b>	NEG	NEG	---
Soot %	%	<b>0.1</b>	0.1	0.1	---
Nitration (PA)	%	<b>104</b>	59	50	---
Sulfation (PA)	%	<b>36</b>	56	50	---
Glycol	%	<b>NEG</b>	NEG	NEG	---
Fuel	%	<b>&lt;1.0</b>	1.4	<1.0	---
Silicon	ppm	<b>12</b>	5	49	---
Sodium	ppm	<b>51</b>	2	4	---
Potassium	ppm	<b>10</b>	0	2	---



### WEAR METALS

Iron	ppm	<b>11</b>	4	17	---
Copper	ppm	<b>3</b>	0	845	---
Lead	ppm	<b>1</b>	0	1	---
Tin	ppm	<b>2</b>	0	<1	---
Aluminum	ppm	<b>2</b>	<1	2	---
Chromium	ppm	<b>0</b>	0	<1	---
Molybdenum	ppm	<b>39</b>	49	<1	---
Nickel	ppm	<b>&lt;1</b>	0	<1	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	0	5	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>1644</b>	1833	2451	---
Magnesium	ppm	<b>434</b>	648	15	---
Zinc	ppm	<b>1172</b>	1279	1129	---
Phosphorus	ppm	<b>996</b>	1074	884	---
Barium	ppm	<b>0</b>	0	2	---
Boron	ppm	<b>59</b>	57	3	---

**Depot:** VOLVO0090  
**Unique No:** 11113264  
**Signed:** Jonathan Hester  
**Report Date:** 09 Jul 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

