



# CONSTRUCTION EQUIPMENT

## 9196 VOLVO A30G 752085 - DIESEL ENGINE



**Sample No:** VCP404406  
**Oil Type:** CHEVRON 15W40  
**Job No:** 9196



### SAMPLE INFORMATION

Sample Number	<b>VCP404406</b>	VCP379204	VCP336589	---
Sample Date	<b>21 Jul 2023</b>	27 May 2022	17 Feb 2022	---
Machine Hours	<b>2583</b>	1437	1120	---
Oil Hours	<b>0</b>	500	0	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	---

**GAINES & CO**  
 112 WESTMINISTER RD  
 REISTERSTOWN, MD  
 US 21136  
 Contact: MICHAEL GLADFELTER

### OIL CONDITION

Visc @ 100°C	cSt	<b>12.4</b>	12.8	12.6	---
Base Number (BN)	mg KOH/g	<b>9.1</b>	10.3	8.3	---
Oxidation (PA)	%	<b>78</b>	83	92	---

T: (410)833-9833  
 F: (410)833-9822

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. 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

Soot %	%	<b>0.4</b>	0.3	0.5	---
Nitration (PA)	%	<b>71</b>	65	88	---
Sulfation (PA)	%	<b>60</b>	65	70	---
Glycol	%	<b>NEG</b>	NEG	NEG	---
Fuel	%	<b>0.4</b>	<1.0	<1.0	---
Silicon	ppm	<b>3</b>	5	6	---
Sodium	ppm	<b>0</b>	2	2	---
Potassium	ppm	<b>2</b>	0	0	---

### WEAR METALS

Iron	ppm	<b>11</b>	8	16	---
Copper	ppm	<b>8</b>	9	60	---
Lead	ppm	<b>&lt;1</b>	1	<1	---
Tin	ppm	<b>&lt;1</b>	2	3	---
Aluminum	ppm	<b>3</b>	2	3	---
Chromium	ppm	<b>&lt;1</b>	<1	<1	---
Molybdenum	ppm	<b>56</b>	42	49	---
Nickel	ppm	<b>2</b>	3	6	---
Titanium	ppm	<b>2</b>	0	0	---
Silver	ppm	<b>&lt;1</b>	<1	<1	---
Manganese	ppm	<b>&lt;1</b>	<1	2	---
Vanadium	ppm	<b>0</b>	0	0	---

### ADDITIVES

Calcium	ppm	<b>1800</b>	1764	1691	---
Magnesium	ppm	<b>542</b>	556	579	---
Zinc	ppm	<b>1138</b>	1066	1118	---
Phosphorus	ppm	<b>990</b>	966	902	---
Barium	ppm	<b>2</b>	0	0	---
Boron	ppm	<b>62</b>	32	14	---

**Depot:** GAICOC  
**Unique No:** 10586150  
**Signed:** Wes Davis  
**Report Date:** 04 Aug 2023



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## GRAPHS

