



# CONSTRUCTION EQUIPMENT

## 9569 VOLVO A30G 742602 - DIESEL ENGINE



**Sample No:** VCP426169  
**Oil Type:** CHEVRON 15W40  
**Job No:** 9569



### SAMPLE INFORMATION

Sample Number	<b>VCP426169</b>	VCP393479	VCP379389	VCP341122
Sample Date	<b>11 Sep 2023</b>	23 Feb 2023	16 Sep 2022	21 Jun 2022
Machine Hours	<b>3908</b>	3404	2849	2518
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 100°C	cSt	<b>12.4</b>	12.35	12.6	12.3
Base Number (BN)	mg KOH/g	<b>7.0</b>	7.4	8.9	8.2
Oxidation (PA)	%	<b>58</b>	67	67	64

### CONTAMINATION

Soot %	%	<b>0.3</b>	0.4	0.3	0.4
Nitration (PA)	%	<b>59</b>	67	59	69
Sulfation (PA)	%	<b>58</b>	63	65	63
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>5</b>	6	5	4
Sodium	ppm	<b>&lt;1</b>	2	1	8
Potassium	ppm	<b>&lt;1</b>	2	2	<1

### WEAR METALS

Iron	ppm	<b>7</b>	7	5	8
Copper	ppm	<b>&lt;1</b>	<1	<1	1
Lead	ppm	<b>&lt;1</b>	<1	<1	<1
Tin	ppm	<b>&lt;1</b>	<1	<1	<1
Aluminum	ppm	<b>2</b>	2	2	2
Chromium	ppm	<b>&lt;1</b>	0	<1	<1
Molybdenum	ppm	<b>82</b>	118	95	96
Nickel	ppm	<b>&lt;1</b>	0	0	<1
Titanium	ppm	<b>&lt;1</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	1	<1
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>1493</b>	1559	1453	1562
Magnesium	ppm	<b>384</b>	608	449	526
Zinc	ppm	<b>1165</b>	957	998	844
Phosphorus	ppm	<b>966</b>	726	823	670
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>313</b>	269	309	250

### 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 suitable for further service.

**Depot:** PLECLA  
**Unique No:** 10657352  
**Signed:** Wes Davis  
**Report Date:** 21 Sep 2023



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## GRAPHS

