



# CONSTRUCTION EQUIPMENT

## 133900 VOLVO A25G 740046 - DIESEL ENGINE



**Sample No:** VCP410085

**Oil Type:** NOT GIVEN

**Job No:** 133900



### SAMPLE INFORMATION

Sample Number	VCP410085	VCP371703	VCP314083	VCP322663
Sample Date	01 Aug 2023	17 Nov 2022	27 May 2022	28 May 2021
Machine Hours	9169	8779	8446	7406
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**FCS CONSTRUCTION LLC**  
 PO BOX 190829  
 DALLAS, TX  
 US 75219  
 Contact: SHANE WHITEWOOD  
 shwhitewood@friscoccs.com



### OIL CONDITION

Visc @ 100°C	cSt	11.7	12.3	12.0	12.0
Base Number (BN)	mg KOH/g	8.5	8.7	10.1	---
Oxidation (PA)	%	65	61	82	71

T:  
F:

### Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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

Water	%	---	---	---	0.106
Soot %	%	0.3	0.3	0.2	0.2
Nitration (PA)	%	58	58	65	67
Sulfation (PA)	%	63	60	63	67
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	5	5	5
Sodium	ppm	0	<1	2	<1
Potassium	ppm	18	1	0	<1



### WEAR METALS

Iron	ppm	28	5	6	4
Copper	ppm	2	<1	<1	<1
Lead	ppm	<1	<1	<1	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	7	2	2	4
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	71	87	50	118
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	<1	0	<1	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	<1



### ADDITIVES

Calcium	ppm	1288	1465	1747	1487
Magnesium	ppm	882	388	516	643
Zinc	ppm	1261	1209	1148	849
Phosphorus	ppm	1055	1022	943	719
Barium	ppm	2	0	0	0
Boron	ppm	5	397	89	421

**Depot:** FCS DAL  
**Unique No:** 10603069  
**Signed:** Jonathan Hester  
**Report Date:** 14 Aug 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

