



# CONSTRUCTION EQUIPMENT

134053 VOLVO A25G 740144 - DIESEL ENGINE



**Sample No:** VCP419441

**Oil Type:** NOT GIVEN

**Job No:** 134053



## SAMPLE INFORMATION

Sample Number	<b>VCP419441</b>	VCP408781	VCP383739	VCP361999
Sample Date	<b>18 Aug 2023</b>	02 May 2023	01 Nov 2022	01 Feb 2022
Machine Hours	<b>9495</b>	7939	8552	7576
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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

## OIL CONDITION

Visc @ 100°C	cSt	<b>11.8</b>	12.0	11.8	12.1
Base Number (BN)	mg KOH/g	<b>7.8</b>	7.6	8.3	9.1
Oxidation (PA)	%	<b>65</b>	62	77	73

## CONTAMINATION

Water	%	---	---	0.112	---
Soot %	%	<b>0.2</b>	0.2	0.6	0.3
Nitration (PA)	%	<b>60</b>	54	84	68
Sulfation (PA)	%	<b>62</b>	58	71	68
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>2.4</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>6</b>	6	6	5
Sodium	ppm	<b>0</b>	1	<1	<1
Potassium	ppm	<b>1</b>	<1	0	0

## Diagnosis

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 suitable for further service.

## WEAR METALS

Iron	ppm	<b>7</b>	5	10	5
Copper	ppm	<b>&lt;1</b>	0	<1	<1
Lead	ppm	<b>&lt;1</b>	0	2	1
Tin	ppm	<b>&lt;1</b>	0	<1	<1
Aluminum	ppm	<b>3</b>	4	3	4
Chromium	ppm	<b>&lt;1</b>	0	<1	<1
Molybdenum	ppm	<b>132</b>	131	124	109
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0

## ADDITIVES

Calcium	ppm	<b>1560</b>	1580	1521	1530
Magnesium	ppm	<b>658</b>	755	646	661
Zinc	ppm	<b>837</b>	906	816	812
Phosphorus	ppm	<b>700</b>	754	685	725
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>328</b>	340	227	304

**Depot:** FCS DAL  
**Unique No:** 10617198  
**Signed:** Jonathan Hester  
**Report Date:** 25 Aug 2023



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## VOLVO GRAPHS

