



# CONSTRUCTION EQUIPMENT

RSM 399320 VOLVO A30G 752844 - DIESEL ENGINE



**Sample No:** VCP394430  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 399320



## SAMPLE INFORMATION

Sample Number	VCP394430	VCP147694	---	---
Sample Date	05 Apr 2024	01 Sep 2023	---	---
Machine Hours	1407	1043	---	---
Oil Hours	500	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	SEVERE	ABNORMAL	---	---

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## OIL CONDITION

Visc @ 100°C	cSt	▲ 8.7	■ 12.2	---	---
Oxidation (PA)	%	73	78	---	---

## CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	■ 0.1	■ 0.3	---	---
Nitration (PA)	%	65	70	---	---
Sulfation (PA)	%	59	67	---	---
Glycol	%	NEG	■ 0.0	---	---
Fuel	%	▲ 14.2	■ 0.8	---	---
Silicon	ppm	■ 6	■ 13	---	---
Sodium	ppm	■ 2	■ 3	---	---
Potassium	ppm	■ <1	■ 1	---	---

## WEAR METALS

Iron	ppm	■ 14	■ 20	---	---
Copper	ppm	■ 15	■ 174	---	---
Lead	ppm	■ <1	■ 5	---	---
Tin	ppm	■ 0	■ 1	---	---
Aluminum	ppm	■ 1	■ 1	---	---
Chromium	ppm	■ 0	■ <1	---	---
Molybdenum	ppm	■ 34	■ 46	---	---
Nickel	ppm	■ 2	■ 4	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	■ 0	▲ 3	---	---
Manganese	ppm	■ <1	■ 2	---	---
Vanadium	ppm	0	0	---	---

## ADDITIVES

Calcium	ppm	■ 1407	■ 1732	---	---
Magnesium	ppm	■ 422	■ 438	---	---
Zinc	ppm	■ 890	■ 1090	---	---
Phosphorus	ppm	■ 764	■ 980	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 23	■ 24	---	---

## Diagnosis

Nous vous recommandons de vérifier le système d'injection de carburant. Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. Les taux d'usure de tous les composants sont normaux. Quantité élevée de carburant dans l'huile. Les tests confirment la présence de carburant dans l'huile. Il y a du carburant dans l'huile, ce qui réduit la viscosité. L'huile ne peut plus être utilisée en raison de la présence de contaminants.

**Depot:** VOLVO0230  
**Unique No:** 5761794  
**Signed:** Kevin Marson  
**Report Date:** 16 Apr 2024



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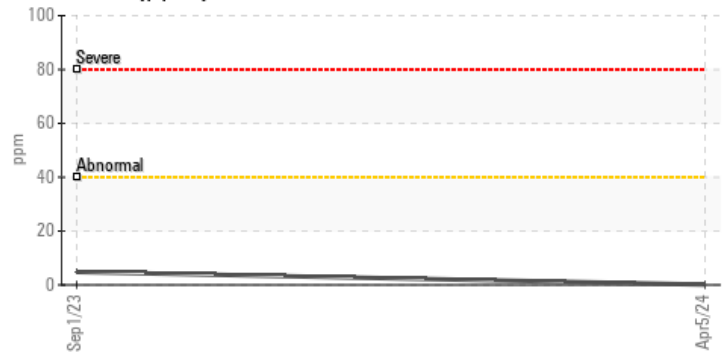


## GRAPHS

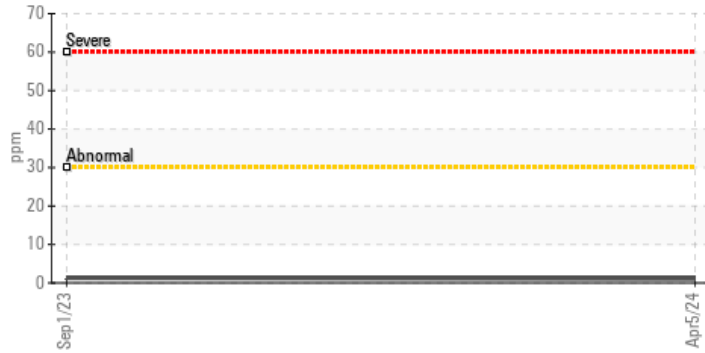
### Iron (ppm)



### Lead (ppm)



### Aluminum (ppm)



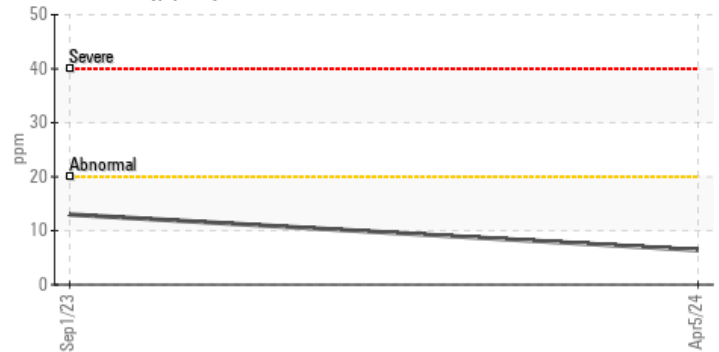
### Chromium (ppm)



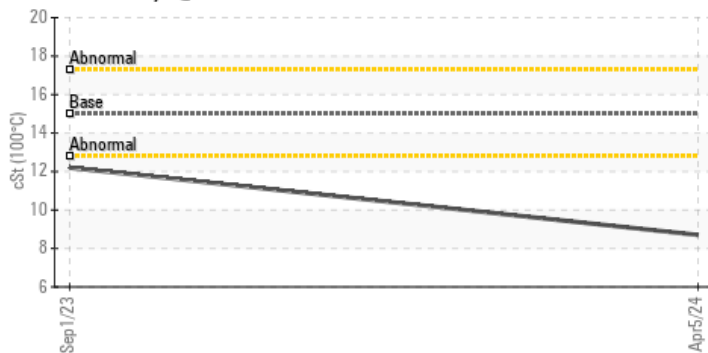
### Copper (ppm)



### Silicon (ppm)



### ▲ Viscosity @ 100°C



### ▲ Fuel Dilution

