



# CONSTRUCTION EQUIPMENT

RSM 376667 VOLVO A30G 752845 - DIESEL ENGINE



**Sample No:** VCP392419  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 376667



## SAMPLE INFORMATION

Sample Number	VCP392419	---	---	---
Sample Date	01 Sep 2023	---	---	---
Machine Hours	592	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### STRONGCO INC

1575 RUE BERSIMIS  
 CHICOUTIMI, QC  
 CA G7K 1G9  
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## OIL CONDITION

Visc @ 100°C	cSt	10.5	---	---	---
Oxidation (PA)	%	60	---	---	---



## CONTAMINATION

Soot %	%	0.3	---	---	---
Nitration (PA)	%	80	---	---	---
Sulfation (PA)	%	59	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	0.6	---	---	---
Silicon	ppm	37	---	---	---
Sodium	ppm	4	---	---	---
Potassium	ppm	4	---	---	---



## WEAR METALS

Iron	ppm	33	---	---	---
Copper	ppm	346	---	---	---
Lead	ppm	10	---	---	---
Tin	ppm	4	---	---	---
Aluminum	ppm	3	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	83	---	---	---
Nickel	ppm	2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	2	---	---	---
Manganese	ppm	4	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	2194	---	---	---
Magnesium	ppm	11	---	---	---
Zinc	ppm	1126	---	---	---
Phosphorus	ppm	995	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	26	---	---	---

## Diagnosis

Aucune mesure corrective n'est recommandée pour l'instant. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant. La teneur en carburant est négligeable. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile. La viscosité de l'échantillon se situe dans la portée de l'SAE 30; nous vous conseillons de vérifier. L'état de l'huile est acceptable pour la durée de service.

**Depot:** VOLVO0230  
**Unique No:** 5633703  
**Signed:** Kevin Marson  
**Report Date:** 07 Sep 2023



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## GRAPHS

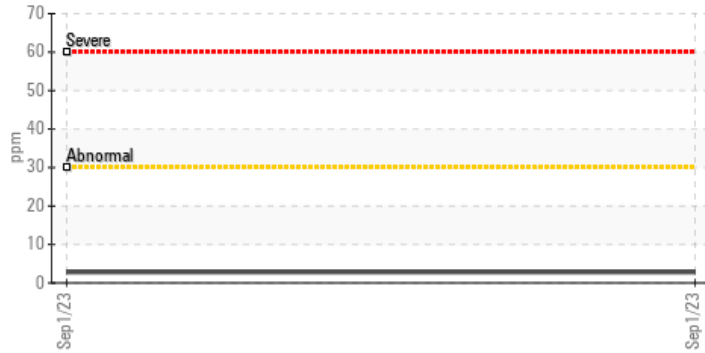
### Iron (ppm)



### Lead (ppm)



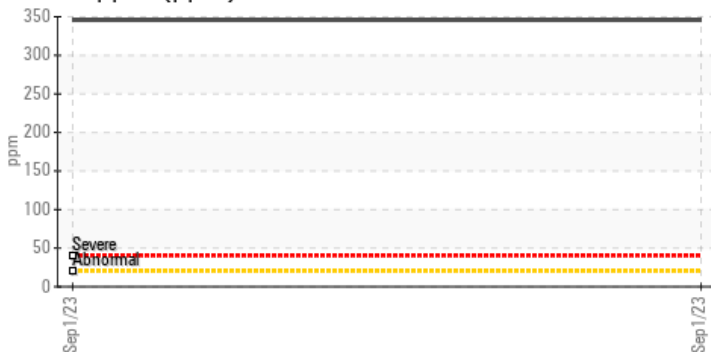
### Aluminum (ppm)



### Chromium (ppm)



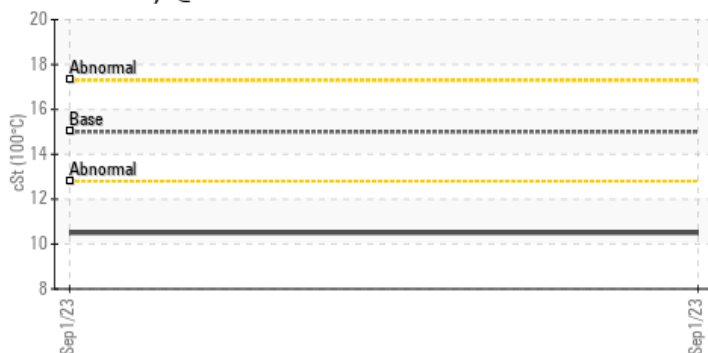
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Soot %

