



# CONSTRUCTION EQUIPMENT

RESOLU LA DORE VOLVO L180H 5459 - DIESEL ENGINE



**Sample No:** VCP185601  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:**



## SAMPLE INFORMATION

Sample Number	<b>VCP185601</b>	WC380494	VCP381851	VCP275252
Sample Date	<b>04 Mar 2024</b>	12 Jul 2023	13 Apr 2023	05 Nov 2021
Machine Hours	<b>26074</b>	20015	18010	6000
Oil Hours	<b>2000</b>	1000	1000	1000
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**STRONGCO INC**  
 1575 RUE BERSIMIS  
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## OIL CONDITION

Visc @ 100°C	cSt	<b>13.0</b>	13.0	13.2	12.9
Oxidation (PA)	%	<b>84</b>	83	85	87

## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	<b>0</b>	0.1	0.1	0
Nitration (PA)	%	<b>63</b>	60	63	64
Sulfation (PA)	%	<b>61</b>	63	61	66
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>4</b>	7	4	8
Sodium	ppm	<b>2</b>	3	2	3
Potassium	ppm	<b>&lt;1</b>	<1	<1	1

**Diagnosis**  
 Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. Il n'y a aucun indice de contamination dans l'huile. L'état de l'huile est acceptable pour la durée de service.

## WEAR METALS

Iron	ppm	<b>4</b>	6	4	8
Copper	ppm	<b>&lt;1</b>	2	1	2
Lead	ppm	<b>1</b>	<1	<1	<1
Tin	ppm	<b>0</b>	<1	<1	<1
Aluminum	ppm	<b>2</b>	2	2	2
Chromium	ppm	<b>0</b>	0	0	<1
Molybdenum	ppm	<b>39</b>	39	40	38
Nickel	ppm	<b>0</b>	<1	<1	<1
Titanium	ppm	<b>&lt;1</b>	<1	<1	<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>1689</b>	1679	1784	1635
Magnesium	ppm	<b>506</b>	497	512	510
Zinc	ppm	<b>1090</b>	1049	1110	1064
Phosphorus	ppm	<b>906</b>	923	1011	954
Barium	ppm	<b>2</b>	0	0	0
Boron	ppm	<b>30</b>	26	34	27

**Depot:** VOLVO0230  
**Unique No:** 5760972  
**Signed:** Wes Davis  
**Report Date:** 10 Apr 2024



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## GRAPHS

