



CONSTRUCTION EQUIPMENT

CRH 381451 VOLVO L110H 632194 - DIESEL ENGINE



Sample No: VCP381834
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 381451



SAMPLE INFORMATION

Sample Number	VCP381834	VCP381797	VCP333675	---
Sample Date	19 Oct 2023	11 Apr 2023	23 Jun 2022	---
Machine Hours	2098	1533	531	---
Oil Hours	500	500	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	SEVERE	---



STRONGCO EQUIPMENT INC (STE- FOY)

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OIL CONDITION

Visc @ 100°C	cSt	13.0	13.2	12.4	---
Oxidation (PA)	%	79	83	75	---



CONTAMINATION

Soot %	%	0.1	0	0	---
Nitration (PA)	%	53	56	57	---
Sulfation (PA)	%	60	71	66	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	5	4	13	---
Sodium	ppm	2	3	5	---
Potassium	ppm	<1	<1	2	---



WEAR METALS

Iron	ppm	9	8	26	---
Copper	ppm	3	3	11	---
Lead	ppm	<1	<1	3	---
Tin	ppm	<1	<1	2	---
Aluminum	ppm	4	6	96	---
Chromium	ppm	<1	<1	7	---
Molybdenum	ppm	42	42	38	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	<1	0	<1	---
Manganese	ppm	0	<1	3	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1689	1800	1535	---
Magnesium	ppm	513	522	611	---
Zinc	ppm	1090	1098	1091	---
Phosphorus	ppm	925	1009	964	---
Barium	ppm	<1	0	6	---
Boron	ppm	44	50	55	---

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.

Depot: VOLVO0228
Unique No: 5668320
Signed: Wes Davis
Report Date: 24 Oct 2023



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GRAPHS

