



CONSTRUCTION EQUIPMENT

388101 VOLVO L110H 10034 - DIESEL ENGINE



Sample No: VCP393085
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 388101



SAMPLE INFORMATION

Sample Number	VCP393085	VCP334059	VCP273260	---
Sample Date	13 Dec 2023	26 Jan 2022	21 Aug 2020	---
Machine Hours	5636	4915	4265	---
Oil Hours	0	500	265	---
Oil Changed	N/A	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



STRONGCO EQUIPMENT INC (STE- FOY)

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OIL CONDITION

Visc @ 100°C	cSt	13.0	12.8	13.7	---
Oxidation (PA)	%	85	85	58	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.1	0	0.1	---
Nitration (PA)	%	70	67	65	---
Sulfation (PA)	%	63	65	52	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	15	4	4	---
Sodium	ppm	3	2	<1	---
Potassium	ppm	<1	8	<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	28	7	9	---
Copper	ppm	3	1	1	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	9	4	4	---
Chromium	ppm	4	<1	<1	---
Molybdenum	ppm	42	42	59	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	0	0	<1	---
Silver	ppm	<1	0	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1713	1720	1162	---
Magnesium	ppm	521	557	937	---
Zinc	ppm	1133	1182	1273	---
Phosphorus	ppm	965	1005	1083	---
Barium	ppm	<1	0	<1	---
Boron	ppm	44	47	4	---

Depot: VOLVO0228
Unique No: 5697168
Signed: Wes Davis
Report Date: 19 Dec 2023



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GRAPHS

