



CONSTRUCTION EQUIPMENT

395865 VOLVO L110G 8376 - DIESEL ENGINE



Sample No: VCP449460
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 395865



SAMPLE INFORMATION

Sample Number	VCP449460	VCP274233	VCP275161	VCP273265
Sample Date	21 Feb 2024	12 Mar 2021	16 Nov 2020	14 Jul 2020
Machine Hours	13711	13026	12500	11988
Oil Hours	0	500	500	0
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



STRONGCO EQUIPMENT INC (STE- FOY)

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OIL CONDITION

Visc @ 100°C	cSt	12.2	13.6	13.7	14.5
Oxidation (PA)	%	61	81	78	73



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	1.3	0.8	1.1	1.1
Nitration (PA)	%	88	80	76	106
Sulfation (PA)	%	59	66	65	81
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	19	5	6	4
Sodium	ppm	15	25	4	2
Potassium	ppm	1	1	1	3

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	34	18	17	14
Copper	ppm	2	1	2	1
Lead	ppm	<1	0	<1	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	13	5	6	4
Chromium	ppm	1	<1	<1	<1
Molybdenum	ppm	74	31	31	10
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	2049	1671	1605	1618
Magnesium	ppm	236	504	544	645
Zinc	ppm	1189	1122	1070	930
Phosphorus	ppm	1062	924	880	807
Barium	ppm	0	0	0	0
Boron	ppm	40	42	31	37

Depot: VOLVO0228
Unique No: 5735374
Signed: Wes Davis
Report Date: 27 Feb 2024



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GRAPHS

