



CONSTRUCTION EQUIPMENT

TAFISA 398354 VOLVO L120H 633469 - DIESEL ENGINE



Sample No: VCP450203
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 398354



SAMPLE INFORMATION

Sample Number	VCP450203	VCP383068	VCP392038	VCP430100
Sample Date	28 Mar 2024	01 Mar 2024	29 Jan 2024	22 Dec 2023
Machine Hours	3518	2970	2505	1928
Oil Hours	500	500	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



STRONGCO EQUIPMENT INC (STE- FOY)

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OIL CONDITION

Visc @ 100°C	cSt	13.2	13.1	13.2	13.0
Oxidation (PA)	%	84	84	86	82



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.1	0.2	0.1
Nitration (PA)	%	59	58	61	54
Sulfation (PA)	%	63	63	65	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	2	4	4	4
Sodium	ppm	2	2	2	2
Potassium	ppm	<1	<1	<1	0

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	9	8	10	8
Copper	ppm	<1	<1	2	1
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	3	4	6	4
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	40	41	40	40
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1732	1740	1743	1683
Magnesium	ppm	522	510	511	502
Zinc	ppm	1114	1085	1088	1068
Phosphorus	ppm	918	936	945	940
Barium	ppm	0	0	0	0
Boron	ppm	35	39	36	36

Depot: VOLVO0228
Unique No: 5760404
Signed: Wes Davis
Report Date: 08 Apr 2024



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VOLVO GRAPHS

