



CONSTRUCTION EQUIPMENT

GDS MATANE 399270 VOLVO L110H 632254 - DIESEL ENGINE



Sample No: VCP450431
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 399270



SAMPLE INFORMATION

Sample Number	VCP450431	VCP394322	VCP394543	VCP393139
Sample Date	04 Apr 2024	08 Mar 2024	09 Feb 2024	19 Jan 2024
Machine Hours	15686	15074	14502	13994
Oil Hours	0	0	0	0
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	13.6	13.8	13.4	13.4
Oxidation (PA)	%	85	82	88	86



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0.1	0
Nitration (PA)	%	66	61	64	64
Sulfation (PA)	%	62	62	65	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	2	3	3
Sodium	ppm	2	2	2	2
Potassium	ppm	<1	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	9	7	8	7
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	3	2	4	3
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	49	51	42	49
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1742	1663	1784	1758
Magnesium	ppm	522	503	525	516
Zinc	ppm	1129	1126	1129	1124
Phosphorus	ppm	948	927	967	972
Barium	ppm	0	0	0	0
Boron	ppm	61	92	38	64

Depot: VOLVO0228
Unique No: 5763036
Signed: Wes Davis
Report Date: 18 Apr 2024



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GRAPHS

