



CONSTRUCTION EQUIPMENT

GDS MATANE 390776 VOLVO L110H 632254 - DIESEL ENGINE



Sample No: VCP393139
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 390776



SAMPLE INFORMATION

Sample Number	VCP393139	VCP430106	VCP392134	VCP380219
Sample Date	19 Jan 2024	22 Dec 2023	10 Nov 2023	13 Oct 2023
Machine Hours	13994	13389	12445	11835
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	13.4	14.0	13.4	13.1
Oxidation (PA)	%	86	63	83	88



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0.1	0.2
Nitration (PA)	%	64	52	62	67
Sulfation (PA)	%	63	58	63	65
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	4	4	4
Sodium	ppm	2	1	2	3
Potassium	ppm	1	2	<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	7	4	8	10
Copper	ppm	<1	<1	<1	1
Lead	ppm	<1	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	3	3	4	5
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	49	92	52	42
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1758	1477	1697	1762
Magnesium	ppm	516	411	508	515
Zinc	ppm	1124	1137	1122	1108
Phosphorus	ppm	972	999	932	939
Barium	ppm	0	0	<1	<1
Boron	ppm	64	312	82	27

Depot: VOLVO0228
Unique No: 5735377
Signed: Wes Davis
Report Date: 27 Feb 2024



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GRAPHS

