



CONSTRUCTION EQUIPMENT

GDS MATANE 403068 VOLVO L110H 632254 - DIESEL ENGINE



Sample No: VCP393866
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 403068



SAMPLE INFORMATION

Sample Number	VCP393866	VCP394543	VCP393139	VCP430106
Sample Date	05 Mar 2024	09 Feb 2024	19 Jan 2024	22 Dec 2023
Machine Hours	16283	14502	13994	13389
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 @ 40°C	cSt	100	---	---	---
Visc @ 100°C	cSt	13.8	13.4	13.4	14.0
Viscosity Index (VI)	Scale	139	---	---	---
Oxidation (PA)	%	75	88	86	63



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0.1	0	0
Nitration (PA)	%	59	64	64	52
Sulfation (PA)	%	61	65	63	58
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	3	3	4
Sodium	ppm	2	2	2	1
Potassium	ppm	2	<1	1	2



WEAR METALS

Iron	ppm	9	8	7	4
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	<1	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	3	4	3	3
Chromium	ppm	0	<1	<1	0
Molybdenum	ppm	68	42	49	92
Nickel	ppm	0	<1	<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	1683	1784	1758	1477
Magnesium	ppm	483	525	516	411
Zinc	ppm	1156	1129	1124	1137
Phosphorus	ppm	995	967	972	999
Barium	ppm	0	0	0	0
Boron	ppm	168	38	64	312

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.

Depot: VOLVO0228
Unique No: 5788087
Signed: Wes Davis
Report Date: 30 May 2024



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GRAPHS

