



CONSTRUCTION EQUIPMENT

GDS MATANE 393729 VOLVO L110H 632725 - DIESEL ENGINE



Sample No: VCP394522
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 393729



SAMPLE INFORMATION

Sample Number	VCP394522	VCP430109	VCP382460	---
Sample Date	09 Feb 2024	22 Dec 2023	15 Nov 2023	---
Machine Hours	1669	1093	575	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

STRONGCO EQUIPMENT INC (STE- FOY)

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OIL CONDITION

Visc @ 100°C	cSt	13.1	13.1	12.7	---
Oxidation (PA)	%	82	78	71	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.1	0	0	---
Nitration (PA)	%	58	53	54	---
Sulfation (PA)	%	62	62	59	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	4	5	11	---
Sodium	ppm	2	2	4	---
Potassium	ppm	<1	1	2	---

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	13	10	19	---
Copper	ppm	2	3	10	---
Lead	ppm	<1	<1	3	---
Tin	ppm	<1	<1	2	---
Aluminum	ppm	5	6	27	---
Chromium	ppm	<1	<1	2	---
Molybdenum	ppm	43	50	49	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	<1	<1	<1	---
Manganese	ppm	0	0	2	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1760	1674	1546	---
Magnesium	ppm	516	500	575	---
Zinc	ppm	1095	1080	1110	---
Phosphorus	ppm	937	962	942	---
Barium	ppm	<1	1	10	---
Boron	ppm	47	94	97	---

Depot: VOLVO0228
Unique No: 5735347
Signed: Wes Davis
Report Date: 27 Feb 2024



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GRAPHS

