



CONSTRUCTION EQUIPMENT

GDS MATANE 397729 VOLVO L110H 632725 - DIESEL ENGINE



Sample No: VCP429839
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 397729



SAMPLE INFORMATION

Sample Number	VCP429839	VCP394522	VCP430109	VCP382460
Sample Date	15 Mar 2024	09 Feb 2024	22 Dec 2023	15 Nov 2023
Machine Hours	2196	1669	1093	575
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIPMENT INC (STE- FOY)

175, rue de Rotterdam
 St-Augustin-de-Desmaures, QC
 CA G3A 2K2
 Contact: Michel Lepage
 mlepage@strongco.com
 T: (418)870-1700
 F: (418)870-1701



OIL CONDITION

Visc @ 100°C	cSt	13.5	13.1	13.1	12.7
Oxidation (PA)	%	84	82	78	71



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.1	0	0
Nitration (PA)	%	59	58	53	54
Sulfation (PA)	%	63	62	62	59
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	4	5	11
Sodium	ppm	2	2	2	4
Potassium	ppm	<1	<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	12	13	10	19
Copper	ppm	1	2	3	10
Lead	ppm	0	<1	<1	3
Tin	ppm	0	<1	<1	2
Aluminum	ppm	4	5	6	27
Chromium	ppm	<1	<1	<1	2
Molybdenum	ppm	41	43	50	49
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	<1	<1
Manganese	ppm	0	0	0	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1732	1760	1674	1546
Magnesium	ppm	525	516	500	575
Zinc	ppm	1109	1095	1080	1110
Phosphorus	ppm	914	937	962	942
Barium	ppm	<1	<1	1	10
Boron	ppm	39	47	94	97

Depot: VOLVO0228
Unique No: 5760405
Signed: Wes Davis
Report Date: 08 Apr 2024



CONSTRUCTION EQUIPMENT



GRAPHS

