



CONSTRUCTION EQUIPMENT

GDS MATANE 405263 VOLVO L90H 626229 - DIESEL ENGINE



Sample No: VCP391831
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 405263



SAMPLE INFORMATION

Sample Number	VCP391831	VCP394545	VCP382457	VCP394565
Sample Date	07 May 2024	09 Feb 2024	10 Nov 2023	28 Aug 2023
Machine Hours	4311	3711	3183	2680
Oil Hours	500	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	13.8	13.5	13.3	13.4
Oxidation (PA)	%	87	92	88	85

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.2	0.3	0.3
Nitration (PA)	%	76	78	70	67
Sulfation (PA)	%	64	65	65	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	6	6	7
Sodium	ppm	2	3	3	3
Potassium	ppm	1	<1	0	<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	14	13	13	15
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	<1	0
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	3	4	3	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	49	42	42	42
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	0	0	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1818	1826	1744	1697
Magnesium	ppm	515	531	527	526
Zinc	ppm	1140	1127	1107	1097
Phosphorus	ppm	975	955	914	989
Barium	ppm	0	0	<1	0
Boron	ppm	74	30	26	27

Depot: VOLVO0228
Unique No: 5787987
Signed: Wes Davis
Report Date: 30 May 2024



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GRAPHS

