



CONSTRUCTION EQUIPMENT

GDS MATANE 393730 VOLVO L90H 626229 - DIESEL ENGINE



Sample No: VCP394545
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 393730



SAMPLE INFORMATION

Sample Number	VCP394545	VCP382457	VCP394565	WC391710
Sample Date	09 Feb 2024	10 Nov 2023	28 Aug 2023	26 Apr 2023
Machine Hours	3711	3183	2680	2144
Oil Hours	0	0	0	500
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	13.5	13.3	13.4	13.4
Oxidation (PA)	%	92	88	85	86



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.3	0.3	0.1
Nitration (PA)	%	78	70	67	66
Sulfation (PA)	%	65	65	63	64
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	6	7	8
Sodium	ppm	3	3	3	3
Potassium	ppm	<1	0	<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	13	13	15	12
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	<1	0	0
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	4	3	3	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	42	42	42	41
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1826	1744	1697	1795
Magnesium	ppm	531	527	526	524
Zinc	ppm	1127	1107	1097	1087
Phosphorus	ppm	955	914	989	1008
Barium	ppm	0	<1	0	0
Boron	ppm	30	26	27	33

Depot: VOLVO0228
Unique No: 5735346
Signed: Wes Davis
Report Date: 27 Feb 2024



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GRAPHS

