



CONSTRUCTION EQUIPMENT

GDS MATANE 376235 VOLVO L90H 626229 - DIESEL ENGINE



Sample No: VCP394565
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 376235



SAMPLE INFORMATION

Sample Number	VCP394565	WC391710	VCP381399	VCP353207
Sample Date	28 Aug 2023	26 Apr 2023	02 Feb 2023	11 Oct 2022
Machine Hours	2680	2144	1631	1116
Oil Hours	0	500	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 @ 100°C	cSt	13.4	13.4	13.6	13.4
Oxidation (PA)	%	85	86	68	85



CONTAMINATION

Soot %	%	0.3	0.1	0	0.3
Nitration (PA)	%	67	66	59	70
Sulfation (PA)	%	63	64	61	67
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	8	7	9
Sodium	ppm	3	3	3	3
Potassium	ppm	<1	0	0	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	15	12	16	23
Copper	ppm	<1	<1	1	2
Lead	ppm	0	0	0	<1
Tin	ppm	<1	<1	1	1
Aluminum	ppm	3	3	5	6
Chromium	ppm	<1	<1	1	2
Molybdenum	ppm	42	41	45	46
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1697	1795	1817	1696
Magnesium	ppm	526	524	543	519
Zinc	ppm	1097	1087	1143	1088
Phosphorus	ppm	989	1008	1058	1007
Barium	ppm	0	0	<1	<1
Boron	ppm	27	33	34	43

Depot: VOLVO0228
Unique No: 5643465
Signed: Wes Davis
Report Date: 14 Sep 2023



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GRAPHS

