



CONSTRUCTION EQUIPMENT

GDS MATARE 378231 VOLVO L110H 632254 - DIESEL ENGINE



Sample No: VCP380435
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 378231



SAMPLE INFORMATION

Sample Number	VCP380435	VCP391603	VCP391537	VCP381724
Sample Date	15 Sep 2023	17 Aug 2023	17 Jul 2023	15 Jun 2023
Machine Hours	11246	10632	10114	9306
Oil Hours	0	500	500	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	13.2	13.3	14.0	13.4
Oxidation (PA)	%	83	78	65	85



CONTAMINATION

Soot %	%	0.2	0.2	0.2	0.1
Nitration (PA)	%	64	62	59	60
Sulfation (PA)	%	63	65	60	64
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	5	7
Sodium	ppm	3	2	2	3
Potassium	ppm	<1	<1	1	<1



WEAR METALS

Iron	ppm	11	10	7	7
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	6	4	5	4
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	44	54	86	42
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1772	1683	1669	1815
Magnesium	ppm	523	504	479	516
Zinc	ppm	1131	1154	1307	1121
Phosphorus	ppm	940	1031	1180	1008
Barium	ppm	<1	<1	0	0
Boron	ppm	29	86	241	38

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.

Depot: VOLVO0228
Unique No: 5655311
Signed: Wes Davis
Report Date: 03 Oct 2023



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VOLVO GRAPHS

