



CONSTRUCTION EQUIPMENT

TECHNO PIEUX 394818 VOLVO L60H 621030 - DIESEL ENGINE



Sample No: VCP429842
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 394818



SAMPLE INFORMATION

Sample Number	VCP429842	VCP392043	VCP274060	VCP272802
Sample Date	14 Feb 2024	16 Nov 2023	07 May 2021	25 Nov 2020
Machine Hours	13019	12292	5937	5012
Oil Hours	500	500	500	500
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



STRONGCO EQUIPMENT INC (STE- FOY)

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OIL CONDITION

Visc @ 100°C	cSt	13.3	12.8	13.0	12.9
Oxidation (PA)	%	88	86	83	82



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.1	0.1	0.1
Nitration (PA)	%	71	68	58	58
Sulfation (PA)	%	64	64	64	62
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	2.4	<1.0	<1.0
Silicon	ppm	4	4	7	7
Sodium	ppm	2	2	2	3
Potassium	ppm	<1	0	<1	<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	7	6	7	9
Copper	ppm	2	3	<1	2
Lead	ppm	<1	0	<1	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	4	3	2	4
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	41	41	39	38
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1769	1720	1647	1638
Magnesium	ppm	513	518	504	506
Zinc	ppm	1104	1132	1160	1159
Phosphorus	ppm	962	1005	946	932
Barium	ppm	0	<1	<1	<1
Boron	ppm	39	35	45	43

Depot: VOLVO0228
Unique No: 5733637
Signed: Wes Davis
Report Date: 20 Feb 2024



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VOLVO GRAPHS

