



CONSTRUCTION EQUIPMENT

TECHNO PIEUX 404889 VOLVO L60H 621030 - DIESEL ENGINE



Sample No: VCP449453
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 404889



SAMPLE INFORMATION

Sample Number	VCP449453	VCP429842	VCP392043	VCP274060
Sample Date	24 May 2024	14 Feb 2024	16 Nov 2023	07 May 2021
Machine Hours	13844	13019	12292	5937
Oil Hours	500	500	500	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	12.8	13.3	12.8	13.0
Oxidation (PA)	%	84	88	86	83



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.3	0.1	0.1	0.1
Nitration (PA)	%	79	71	68	58
Sulfation (PA)	%	61	64	64	64
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	2.4	<1.0
Silicon	ppm	4	4	4	7
Sodium	ppm	2	2	2	2
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	9	7	6	7
Copper	ppm	2	2	3	<1
Lead	ppm	0	<1	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	4	4	3	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	48	41	41	39
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1896	1769	1720	1647
Magnesium	ppm	475	513	518	504
Zinc	ppm	1144	1104	1132	1160
Phosphorus	ppm	990	962	1005	946
Barium	ppm	0	0	<1	<1
Boron	ppm	34	39	35	45

Depot: VOLVO0228

Unique No: 5787992

Signed: Wes Davis

Report Date: 30 May 2024



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VOLVO GRAPHS

