



CONSTRUCTION EQUIPMENT

TECHNO-PREX 385091 VOLVO L60H 622493 - DIESEL ENGINE



Sample No: VCP392048
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 385091



SAMPLE INFORMATION

Sample Number	VCP392048	VCP381398	VCP352644	VCP349600
Sample Date	15 Nov 2023	07 Feb 2023	12 Sep 2022	16 May 2022
Machine Hours	4027	2736	2153	1623
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	13.4	13.2	13.3	13.5
Oxidation (PA)	%	84	81	71	83



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.3	0.1	0.1	0
Nitration (PA)	%	69	63	55	62
Sulfation (PA)	%	63	66	60	67
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	7	6	6
Sodium	ppm	3	2	3	3
Potassium	ppm	0	<1	0	2

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	10	13	11	12
Copper	ppm	1	<1	<1	1
Lead	ppm	<1	0	0	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	4	6	4	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	43	41	43	40
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	0	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1720	1751	1746	1645
Magnesium	ppm	519	507	520	538
Zinc	ppm	1090	1119	1135	1133
Phosphorus	ppm	933	1040	1033	1004
Barium	ppm	<1	0	0	<1
Boron	ppm	30	45	37	46

Depot: VOLVO0228
Unique No: 5682543
Signed: Kevin Marson
Report Date: 20 Nov 2023



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GRAPHS

