



CONSTRUCTION EQUIPMENT

AUTO IMPACT 382096 VOLVO L90H 625167 - DIESEL ENGINE



Sample No: VCP381760
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 382096



SAMPLE INFORMATION

Sample Number	VCP381760	VCP391538	VCP352323	VCP380897
Sample Date	19 Oct 2023	11 Jul 2023	09 Mar 2023	05 Dec 2022
Machine Hours	6023	5542	5001	4500
Oil Hours	500	500	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIPMENT INC (STE- FOY)
 175, rue de Rotterdam
 St-Augustin-de-Desmaures, QC
 CA G3A 2K2
 Contact: Michel Lepage
 mlepage@strongco.com
 T: (418)870-1700
 F: (418)870-1701

OIL CONDITION

Visc @ 100°C	cSt	13.0	12.1	13.3	13.4
Oxidation (PA)	%	81	80	85	83

CONTAMINATION

Soot %	%	0.2	0.2	0.1	0.1
Nitration (PA)	%	58	58	60	61
Sulfation (PA)	%	61	60	69	65
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	3.5	<1.0	<1.0
Silicon	ppm	5	5	5	5
Sodium	ppm	3	3	3	3
Potassium	ppm	<1	<1	<1	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	8	6	8	7
Copper	ppm	1	<1	<1	<1
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	<1
Aluminum	ppm	4	2	4	5
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	42	41	42	42
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	<1	0	<1	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1763	1623	1748	1744
Magnesium	ppm	523	502	509	515
Zinc	ppm	1169	1059	1081	1096
Phosphorus	ppm	1006	956	1000	1010
Barium	ppm	0	0	0	0
Boron	ppm	36	41	43	44

Depot: VOLVO0228
Unique No: 5668319
Signed: Wes Davis
Report Date: 24 Oct 2023



CONSTRUCTION EQUIPMENT



GRAPHS

