



CONSTRUCTION EQUIPMENT

BLC 395662 VOLVO L110H 632286 - DIESEL ENGINE



Sample No: VCP393015
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 395662



SAMPLE INFORMATION

Sample Number	VCP393015	VCP381831	VCP392296	VCP352651
Sample Date	22 Feb 2024	19 Sep 2023	23 Jun 2023	19 Sep 2022
Machine Hours	2567	2023	1554	497
Oil Hours	500	500	500	497
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL



STRONGCO EQUIPMENT INC (STE- FOY)

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OIL CONDITION

Visc @ 100°C	cSt	13.0	12.9	11.7	12.7
Oxidation (PA)	%	82	83	84	76



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.2	0.1	0
Nitration (PA)	%	65	61	63	58
Sulfation (PA)	%	62	63	63	64
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	5	6	18
Sodium	ppm	2	3	3	4
Potassium	ppm	<1	<1	<1	1



WEAR METALS

Iron	ppm	15	13	16	31
Copper	ppm	1	1	2	10
Lead	ppm	<1	<1	<1	3
Tin	ppm	<1	<1	<1	2
Aluminum	ppm	6	5	11	▲ 122
Chromium	ppm	<1	<1	1	8
Molybdenum	ppm	45	42	43	38
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	<1	<1	<1
Manganese	ppm	0	0	<1	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1782	1717	1707	1493
Magnesium	ppm	455	520	528	636
Zinc	ppm	1079	1102	1092	1106
Phosphorus	ppm	931	929	965	1039
Barium	ppm	0	<1	<1	9
Boron	ppm	35	29	37	47

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: 5735375
Signed: Wes Davis
Report Date: 27 Feb 2024



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GRAPHS

