



CONSTRUCTION EQUIPMENT

379823 VOLVO L120H 632068 - DIESEL ENGINE



Sample No: VCP394659
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 379823



SAMPLE INFORMATION

Sample Number	VCP394659	VCP394697	VCP381814	VCP353001
Sample Date	26 Sep 2023	04 Aug 2023	15 May 2023	13 Jan 2023
Machine Hours	31581	31039	30386	29777
Oil Hours	500	0	0	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIP (AB)
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OIL CONDITION

Visc @ 40°C	cSt	96.2	---	---	---
Visc @ 100°C	cSt	13.2	13.3	13.9	13.7
Viscosity Index (VI)	Scale	135	---	---	---
Oxidation (PA)	%	85	78	90	96

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



CONTAMINATION

Soot %	%	0.1	0.1	0.3	0.3
Nitration (PA)	%	61	60	74	83
Sulfation (PA)	%	64	63	67	71
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	7	5
Sodium	ppm	3	2	3	3
Potassium	ppm	0	<1	0	0



WEAR METALS

Iron	ppm	10	12	24	14
Copper	ppm	<1	<1	1	<1
Lead	ppm	<1	0	<1	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	2	3	5	4
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	43	41	42	43
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1748	1671	1851	1746
Magnesium	ppm	535	517	525	519
Zinc	ppm	1153	1076	1115	1128
Phosphorus	ppm	962	989	1024	1046
Barium	ppm	<1	0	0	0
Boron	ppm	31	32	36	37

Depot: VOLVO9652
Unique No: 5655223
Signed: Wes Davis
Report Date: 02 Oct 2023



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VOLVO GRAPHS

