



CONSTRUCTION EQUIPMENT

8000378179 VOLVO L60G 611279 - DIESEL ENGINE



Sample No: VCP394658
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 8000378179



SAMPLE INFORMATION

Sample Number	VCP394658	VCP353045	VCP332718	VCP280588
Sample Date	12 Sep 2023	04 Oct 2022	15 Feb 2022	21 Jul 2021
Machine Hours	7335	6519	6167	5655
Oil Hours	0	6519	500	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIP (AB)
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OIL CONDITION

Visc @ 100°C	cSt	13.3	12.8	12.9	13.2
Oxidation (PA)	%	82	84	86	85



CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	68	58	62	70
Sulfation (PA)	%	60	63	65	59
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	6	6	5
Sodium	ppm	2	3	3	3
Potassium	ppm	0	<1	<1	<1

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.



WEAR METALS

Iron	ppm	7	5	9	6
Copper	ppm	<1	<1	1	1
Lead	ppm	<1	0	0	<1
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	4	3	5	5
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	43	39	40	38
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1729	1726	1643	1681
Magnesium	ppm	520	490	522	548
Zinc	ppm	1118	1071	1066	890
Phosphorus	ppm	943	991	951	797
Barium	ppm	<1	0	0	0
Boron	ppm	44	53	51	50

Depot: VOLVO9652
Unique No: 5646502
Signed: Wes Davis
Report Date: 27 Sep 2023



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GRAPHS

