



CONSTRUCTION EQUIPMENT

371542 VOLVO L110H 10566 - DIESEL ENGINE



Sample No: VCP380427
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 371542



SAMPLE INFORMATION

Sample Number	VCP380427	VCP353191	VCP299256	VCP252355
Sample Date	11 Jul 2023	14 Mar 2023	09 Mar 2022	25 Jun 2020
Machine Hours	6928	6485	5454	3652
Oil Hours	500	500	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Strongco Equipment

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 Breslau, ON
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OIL CONDITION

Visc @ 100°C	cSt	13.2	13.1	13.0	13.0
Oxidation (PA)	%	82	85	84	83



CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	53	58	59	68
Sulfation (PA)	%	62	70	66	75
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	5	4	4
Sodium	ppm	2	2	2	<1
Potassium	ppm	0	<1	0	<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	4	5	6	4
Copper	ppm	1	1	1	<1
Lead	ppm	0	0	<1	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	5	9	6	2
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	40	40	41	41
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1690	1821	1639	1630
Magnesium	ppm	497	508	527	515
Zinc	ppm	1081	1143	1098	886
Phosphorus	ppm	984	1023	984	765
Barium	ppm	0	0	0	0
Boron	ppm	51	52	54	51

Depot: CASKIT
Unique No: 5616243
Signed: Wes Davis
Report Date: 20 Jul 2023



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GRAPHS

