



CONSTRUCTION EQUIPMENT

8000391127 VOLVO L120H 632718 - DIESEL ENGINE



Sample No: VCP392851
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 8000391127



SAMPLE INFORMATION

Sample Number	VCP392851	VCP392893	VCP391560	VCP394700
Sample Date	19 Jan 2024	03 Nov 2023	27 Sep 2023	11 Aug 2023
Machine Hours	12361	10767	10000	9412
Oil Hours	0	0	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIP (AB)

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 RED DEER COUNTY, AB
 CA T4S 2L4
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OIL CONDITION

Visc @ 100°C	cSt	13.4	13.5	13.3	13.1
Oxidation (PA)	%	86	84	83	82



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.5	0.6	0.6	0.8
Nitration (PA)	%	64	62	61	64
Sulfation (PA)	%	66	66	66	68
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	6	10	6
Sodium	ppm	2	3	3	3
Potassium	ppm	<1	0	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	15	17	21	16
Copper	ppm	<1	1	2	1
Lead	ppm	<1	<1	<1	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	6	7	6	7
Chromium	ppm	<1	<1	1	1
Molybdenum	ppm	41	42	40	41
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	<1	<1	<1
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1755	1738	1660	1699
Magnesium	ppm	512	516	499	514
Zinc	ppm	1098	1115	1083	1094
Phosphorus	ppm	936	931	916	986
Barium	ppm	0	<1	<1	0
Boron	ppm	36	36	33	31

Depot: VOLVO9652
Unique No: 5711600
Signed: Wes Davis
Report Date: 23 Jan 2024



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GRAPHS

