



CONSTRUCTION EQUIPMENT

8000395483 VOLVO L120H 632718 - DIESEL ENGINE



Sample No: VCP394458
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 8000395483



SAMPLE INFORMATION

Sample Number	VCP394458	VCP392851	VCP392893	VCP391560
Sample Date	23 Feb 2024	19 Jan 2024	03 Nov 2023	27 Sep 2023
Machine Hours	13026	12361	10767	10000
Oil Hours	0	0	0	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	13.3	13.4	13.5	13.3
Oxidation (PA)	%	82	86	84	83



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.4	0.5	0.6	0.6
Nitration (PA)	%	58	64	62	61
Sulfation (PA)	%	64	66	66	66
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	5	6	10
Sodium	ppm	2	2	3	3
Potassium	ppm	<1	<1	0	0

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	11	15	17	21
Copper	ppm	<1	<1	1	2
Lead	ppm	<1	<1	<1	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	4	6	7	6
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	41	41	42	40
Nickel	ppm	<1	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1752	1755	1738	1660
Magnesium	ppm	511	512	516	499
Zinc	ppm	1090	1098	1115	1083
Phosphorus	ppm	940	936	931	916
Barium	ppm	0	0	<1	<1
Boron	ppm	38	36	36	33

Depot: VOLVO9652
Unique No: 5735371
Signed: Wes Davis
Report Date: 27 Feb 2024



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GRAPHS

