



CONSTRUCTION EQUIPMENT

8000394720 VOLVO L120H 632069 - DIESEL ENGINE



Sample No: VCP380398
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 8000394720



SAMPLE INFORMATION

Sample Number	VCP380398	VCP393029	VCP391563	VCP353393
Sample Date	09 Feb 2024	15 Dec 2023	10 Nov 2023	01 Sep 2023
Machine Hours	28932	28396	27753	27191
Oil Hours	500	500	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



STRONGCO EQUIP (AB)
 6 - 38403 BURNT LAKE TRAIL
 RED DEER COUNTY, AB
 CA T4S 2L4
 Contact: Perry Doyle
 pdoyle@strongco.com
 T: (403)391-3520
 F: (403)346-3487



OIL CONDITION

Visc @ 100°C	cSt	13.3	13.4	13.4	13.5
Oxidation (PA)	%	85	85	85	82



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.3	0.3	0.4
Nitration (PA)	%	61	62	61	62
Sulfation (PA)	%	65	64	65	64
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	4	4	5
Sodium	ppm	2	2	2	3
Potassium	ppm	<1	<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	12	14	14	15
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	5	4	5	5
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	41	42	43	43
Nickel	ppm	<1	<1	0	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	1763	1726	1767	1766
Magnesium	ppm	519	526	521	529
Zinc	ppm	1092	1116	1134	1133
Phosphorus	ppm	958	954	943	968
Barium	ppm	0	0	0	<1
Boron	ppm	52	40	47	38

Depot: VOLVO9652
Unique No: 5724399
Signed: Wes Davis
Report Date: 13 Feb 2024



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VOLVO GRAPHS

