



CONSTRUCTION EQUIPMENT

405622 VOLVO L120H 632718 - DIESEL ENGINE



Sample No: VCP381913
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 405622



SAMPLE INFORMATION

Sample Number	VCP381913	VCP394458	VCP392851	VCP392893
Sample Date	30 May 2024	23 Feb 2024	19 Jan 2024	03 Nov 2023
Machine Hours	14423	13026	12361	10767
Oil Hours	500	0	0	0
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	13.3	13.4	13.5
Oxidation (PA)	%	83	82	86	84

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.6	0.4	0.5	0.6
Nitration (PA)	%	62	58	64	62
Sulfation (PA)	%	65	64	66	66
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	5	6
Sodium	ppm	2	2	2	3
Potassium	ppm	<1	<1	<1	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	13	11	15	17
Copper	ppm	<1	<1	<1	1
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	5	4	6	7
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	41	41	41	42
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	0	0	0
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1750	1752	1755	1738
Magnesium	ppm	511	511	512	516
Zinc	ppm	1075	1090	1098	1115
Phosphorus	ppm	911	940	936	931
Barium	ppm	0	0	0	<1
Boron	ppm	36	38	36	36

Depot: VOLVO9652
Unique No: 5788502
Signed: Wes Davis
Report Date: 03 Jun 2024



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VOLVO GRAPHS

