



CONSTRUCTION EQUIPMENT

383053 VOLVO G946B 578137 - DIESEL ENGINE



Sample No: VCP380319
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 383053



STRONGCO EQUIP (AB)
 6 - 38403 BURNT LAKE TRAIL
 RED DEER COUNTY, AB
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SAMPLE INFORMATION

Sample Number	VCP380319	VCP179828	VCE246857	---
Sample Date	06 Dec 2023	09 Feb 2017	27 Feb 2015	---
Machine Hours	3000	1127	375	---
Oil Hours	500	600	0	---
Oil Changed	Changed	Not Changd	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 100°C	cSt	15.6	15.6	14.1	---
Oxidation (PA)	%	86	74	69	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	1.1	0.5	0.5	---
Nitration (PA)	%	102	78	79	---
Sulfation (PA)	%	71	66	57	---
Glycol	%	0.0	0.0	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	5	6	16	---
Sodium	ppm	3	3	5	---
Potassium	ppm	6	6	3	---



WEAR METALS

Iron	ppm	45	29	46	---
Copper	ppm	3	5	10	---
Lead	ppm	2	<1	3	---
Tin	ppm	1	1	3	---
Aluminum	ppm	8	7	25	---
Chromium	ppm	1	2	4	---
Molybdenum	ppm	28	8	39	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	<1	<1	<1	---
Manganese	ppm	0	<1	2	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	2370	2306	1169	---
Magnesium	ppm	122	143	858	---
Zinc	ppm	1308	1246	1120	---
Phosphorus	ppm	1118	1010	932	---
Barium	ppm	<1	<1	<1	---
Boron	ppm	47	23	31	---

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.

Depot: VOLVO9652
Unique No: 5694566
Signed: Wes Davis
Report Date: 08 Dec 2023



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GRAPHS

