



CONSTRUCTION EQUIPMENT

SPM621308 COMM CONTR VOLVO EC200E 314457 - DIESEL ENGINE



Sample No: VCP382895
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM621308 COMM CONTR



SAMPLE INFORMATION

Sample Number	VCP382895	VCP423215	VCP405697	---
Sample Date	10 Nov 2023	06 Jun 2023	03 Apr 2023	---
Machine Hours	2033	1297	1136	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 100°C	cSt	12.8	13.9	13.8	---
Base Number (BN)	mg KOH/g	9.7	8.8	6.3	---
Oxidation (PA)	%	59	65	62	---

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.4	0.2	0.3	---
Nitration (PA)	%	64	52	62	---
Sulfation (PA)	%	52	54	54	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	5	7	10	---
Sodium	ppm	0	1	2	---
Potassium	ppm	2	2	1	---



WEAR METALS

Iron	ppm	16	13	44	---
Copper	ppm	4	1	6	---
Lead	ppm	0	<1	0	---
Tin	ppm	<1	1	1	---
Aluminum	ppm	8	5	11	---
Chromium	ppm	<1	1	2	---
Molybdenum	ppm	61	63	69	---
Nickel	ppm	<1	1	<1	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	<1	1	---
Vanadium	ppm	0	<1	0	---



ADDITIVES

Calcium	ppm	1039	1123	1419	---
Magnesium	ppm	894	959	332	---
Zinc	ppm	1176	1329	1083	---
Phosphorus	ppm	975	1051	916	---
Barium	ppm	0	0	0	---
Boron	ppm	2	28	298	---

Depot: VOLVO8885
Unique No: 10766812
Signed: Wes Davis
Report Date: 01 Dec 2023



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GRAPHS

