



CONSTRUCTION EQUIPMENT

SW1020841 C&L ASPH VOLVO DD120C 288020 - DIESEL ENGINE



Sample No: VCP406628
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SW1020841 C&L ASPH



SAMPLE INFORMATION

Sample Number	VCP406628	VCP190977	---	---
Sample Date	06 Jul 2023	19 Dec 2018	---	---
Machine Hours	2352	608	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



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OIL CONDITION

Visc @ 100°C	cSt	13.9	11.98	---	---
Base Number (BN)	mg KOH/g	10.1	---	---	---
Oxidation (PA)	%	61	74	---	---



CONTAMINATION

Soot %	%	0.2	0.2	---	---
Nitration (PA)	%	52	63	---	---
Sulfation (PA)	%	53	58	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	5	41	---	---
Sodium	ppm	1	11	---	---
Potassium	ppm	1	6	---	---



WEAR METALS

Iron	ppm	12	71	---	---
Copper	ppm	2	21	---	---
Lead	ppm	0	2	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	12	20	---	---
Chromium	ppm	1	3	---	---
Molybdenum	ppm	52	33	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	2	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	6	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	1263	1427	---	---
Magnesium	ppm	885	633	---	---
Zinc	ppm	1247	905	---	---
Phosphorus	ppm	1030	773	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	11	38	---	---

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.

Depot: VOLVO6174
Unique No: 10551708
Signed: Wes Davis
Report Date: 12 Jul 2023



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GRAPHS

