



CONSTRUCTION EQUIPMENT

42308 VOLVO A30G 753380 - DIESEL ENGINE



Sample No: VCP447683
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 42308



SAMPLE INFORMATION

Sample Number	VCP447683	VCP447070	VCP429030	---
Sample Date	13 Jun 2024	02 Apr 2024	15 Nov 2023	---
Machine Hours	1408	1083	622	---
Oil Hours	0	0	1000	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---

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OIL CONDITION

Visc @ 100°C	cSt	12.3	12.4	11.2	---
Base Number (BN)	mg KOH/g	9.9	9.4	5.4	---
Oxidation (PA)	%	76	79	59	---

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 %	%	0.2	0.3	0.3	---
Nitration (PA)	%	52	61	78	---
Sulfation (PA)	%	60	62	53	---
Glycol	%	NEG	0.0	NEG	---
Fuel	%	<1.0	<1.0	0.3	---
Silicon	ppm	6	7	33	---
Sodium	ppm	1	2	<1	---
Potassium	ppm	2	0	4	---



WEAR METALS

Iron	ppm	7	12	25	---
Copper	ppm	9	53	416	---
Lead	ppm	<1	0	<1	---
Tin	ppm	<1	<1	2	---
Aluminum	ppm	2	2	2	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	45	47	84	---
Nickel	ppm	1	3	2	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	<1	<1	2	---
Manganese	ppm	<1	1	4	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	1624	1825	2167	---
Magnesium	ppm	481	499	76	---
Zinc	ppm	1072	1161	1184	---
Phosphorus	ppm	907	1000	979	---
Barium	ppm	<1	0	0	---
Boron	ppm	55	46	39	---

Depot: VOLVO0013
Unique No: 11085936
Signed: Wes Davis
Report Date: 19 Jun 2024



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GRAPHS

