



CONSTRUCTION EQUIPMENT

VOLVO A45G 353298 - DIESEL ENGINE



Sample No: VCP399778
Oil Type: MOBIL DELVAC 1300 SUPER15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP399778	VCP396798	VCP365364	---
Sample Date	18 Sep 2023	22 Mar 2023	16 Jan 2023	---
Machine Hours	1722	757	0	---
Oil Hours	500	300	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	ATTENTION	ABNORMAL	---

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OIL CONDITION

Visc @ 100°C	cSt	12.6	12.2	10.4	---
Base Number (BN)	mg KOH/g	8.1	7.6	6.2	---
Oxidation (PA)	%	63	65	60	---

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

Soot %	%	0.3	0.3	0.3	---
Nitration (PA)	%	77	77	91	---
Sulfation (PA)	%	56	58	54	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	1.6	1.3	---
Silicon	ppm	5	10	26	---
Sodium	ppm	2	3	3	---
Potassium	ppm	4	0	<1	---



WEAR METALS

Iron	ppm	8	12	22	---
Copper	ppm	3	55	143	---
Lead	ppm	<1	0	2	---
Tin	ppm	<1	1	4	---
Aluminum	ppm	2	1	2	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	13	30	79	---
Nickel	ppm	3	2	5	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	1	2	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	1400	1794	1986	---
Magnesium	ppm	612	491	40	---
Zinc	ppm	846	951	1019	---
Phosphorus	ppm	714	820	883	---
Barium	ppm	<1	0	0	---
Boron	ppm	40	56	35	---

Depot: DUNBEL
Unique No: 10701743
Signed: Wes Davis
Report Date: 20 Oct 2023



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GRAPHS

