



CONSTRUCTION EQUIPMENT

25642 VOLVO DD70 276436 - DIESEL ENGINE



Sample No: VCP453901
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 25642



SAMPLE INFORMATION

Sample Number	VCP453901	VCP400688	---	---
Sample Date	20 May 2024	28 Feb 2023	---	---
Machine Hours	3961	3486	---	---
Oil Hours	500	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	12.9	13.5	---	---
Base Number (BN)	mg KOH/g	9.5	9.5	---	---
Oxidation (PA)	%	85	87	---	---

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	---	---
Soot %	%	0.3	0.4	---	---
Nitration (PA)	%	80	88	---	---
Sulfation (PA)	%	61	65	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	7	7	---	---
Sodium	ppm	4	3	---	---
Potassium	ppm	2	0	---	---



WEAR METALS

Iron	ppm	21	21	---	---
Copper	ppm	2	<1	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	5	2	---	---
Chromium	ppm	1	<1	---	---
Molybdenum	ppm	42	52	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	1	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	1711	1719	---	---
Magnesium	ppm	520	514	---	---
Zinc	ppm	1140	1143	---	---
Phosphorus	ppm	951	899	---	---
Barium	ppm	0	0	---	---
Boron	ppm	51	100	---	---

Depot: VOLVO3387
Unique No: 11050424
Signed: Wes Davis
Report Date: 30 May 2024



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GRAPHS

