



CONSTRUCTION EQUIPMENT

VOLVO A25G 752259 - DIESEL ENGINE



Sample No: VCP406838
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP406838	VCP360607	---	---
Sample Date	03 Nov 2023	09 May 2023	---	---
Machine Hours	2714	2242	---	---
Oil Hours	2714	0	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	12.5	12.6	---	---
Base Number (BN)	mg KOH/g	9.5	9.7	---	---
Oxidation (PA)	%	81	63	---	---

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	0.2	---	---
Nitration (PA)	%	60	66	---	---
Sulfation (PA)	%	63	60	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	6	4	---	---
Sodium	ppm	0	<1	---	---
Potassium	ppm	2	0	---	---



WEAR METALS

Iron	ppm	9	7	---	---
Copper	ppm	9	40	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	2	3	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	55	73	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1870	1384	---	---
Magnesium	ppm	644	741	---	---
Zinc	ppm	1377	1319	---	---
Phosphorus	ppm	1080	1086	---	---
Barium	ppm	0	0	---	---
Boron	ppm	57	176	---	---

Depot: SCOSAI
Unique No: 10735821
Signed: Wes Davis
Report Date: 09 Nov 2023



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GRAPHS

