



CONSTRUCTION EQUIPMENT

X13759 VOLVO A25G 752430 - DIESEL ENGINE



Sample No: VCP400317
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: X13759



SAMPLE INFORMATION

Sample Number	VCP400317	VCE088630	VCE111480	---
Sample Date	19 Dec 2023	23 Feb 2023	06 Oct 2022	---
Machine Hours	2038	1004	548	---
Oil Hours	0	0	548	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---

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OIL CONDITION

Visc @ 100°C	cSt	13.0	12.4	10.5	---
Base Number (BN)	mg KOH/g	7.0	8.4	6.7	---
Oxidation (PA)	%	89	82	65	---

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 %	%	0.9	0.6	0.5	---
Nitration (PA)	%	87	78	89	---
Sulfation (PA)	%	66	65	60	---
Glycol	%	NEG	0.0	NEG	---
Fuel	%	<1.0	<1.0	0.6	---
Silicon	ppm	6	14	76	---
Sodium	ppm	3	2	2	---
Potassium	ppm	0	0	4	---



WEAR METALS

Iron	ppm	20	17	33	---
Copper	ppm	33	132	453	---
Lead	ppm	<1	1	1	---
Tin	ppm	<1	2	4	---
Aluminum	ppm	2	2	4	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	33	49	94	---
Nickel	ppm	4	5	<1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	<1	2	---
Manganese	ppm	<1	2	6	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	1690	1880	2335	---
Magnesium	ppm	409	442	11	---
Zinc	ppm	1016	1147	1242	---
Phosphorus	ppm	775	926	1046	---
Barium	ppm	0	0	0	---
Boron	ppm	13	20	24	---

Depot: VOLVO6241
Unique No: 10805118
Signed: Wes Davis
Report Date: 27 Dec 2023



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GRAPHS

