



CONSTRUCTION EQUIPMENT

X47387 VOLVO A25G 752487 - DIESEL ENGINE



Sample No: VCP418962
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: X47387



SAMPLE INFORMATION

Sample Number	VCP418962	VCP407880	VCP395492	---
Sample Date	09 Aug 2023	16 May 2023	08 Mar 2023	---
Machine Hours	1928	1240	858	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	N/A	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---

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OIL CONDITION

Visc @ 100°C	cSt	12.7	13.1	▲ 12.0	---
Base Number (BN)	mg KOH/g	9.4	9.8	10.4	---
Oxidation (PA)	%	56	57	76	---



CONTAMINATION

Soot %	%	0.1	0.1	0.2	---
Nitration (PA)	%	51	51	56	---
Sulfation (PA)	%	51	52	62	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	0.4	---
Silicon	ppm	3	3	12	---
Sodium	ppm	1	2	<1	---
Potassium	ppm	<1	2	2	---



WEAR METALS

Iron	ppm	5	4	9	---
Copper	ppm	2	9	▲ 109	---
Lead	ppm	0	1	<1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	2	<1	2	---
Chromium	ppm	<1	0	<1	---
Molybdenum	ppm	60	63	54	---
Nickel	ppm	<1	<1	2	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	<1	1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1054	1356	2048	---
Magnesium	ppm	982	1096	498	---
Zinc	ppm	1327	1660	1293	---
Phosphorus	ppm	1124	1215	1107	---
Barium	ppm	0	0	0	---
Boron	ppm	1	5	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 acceptable for the time in service.

Depot: VOLVO6244
Unique No: 10605801
Signed: Don Baldrige
Report Date: 17 Aug 2023



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GRAPHS

