



CONSTRUCTION EQUIPMENT

19767 LANE-BLYTHE VOLVO A45GFS 352243 - DIESEL ENGINE



Sample No: VCP441396
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 19767 LANE-BLYTHE



SAMPLE INFORMATION

Sample Number	VCP441396	VCP417574	---	---
Sample Date	03 Oct 2023	07 Jun 2023	---	---
Machine Hours	3965	3003	---	---
Oil Hours	962	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	12.8	12.9	---	---
Base Number (BN)	mg KOH/g	7.0	7.7	---	---
Oxidation (PA)	%	56	45	---	---

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.



CONTAMINATION

Soot %	%	0.5	0.3	---	---
Nitration (PA)	%	68	62	---	---
Sulfation (PA)	%	52	50	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	3	4	---	---
Sodium	ppm	<1	3	---	---
Potassium	ppm	<1	0	---	---



WEAR METALS

Iron	ppm	10	7	---	---
Copper	ppm	4	5	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	1	<1	---	---
Aluminum	ppm	4	1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	58	26	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	1221	2034	---	---
Magnesium	ppm	972	359	---	---
Zinc	ppm	1374	1150	---	---
Phosphorus	ppm	1122	951	---	---
Barium	ppm	0	0	---	---
Boron	ppm	4	7	---	---

Depot: VOLVO8769
Unique No: 10701644
Signed: Don Baldrige
Report Date: 21 Oct 2023



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GRAPHS

