



CONSTRUCTION EQUIPMENT

W08009441-1 VICO VOLVO A25G 340071 - DIESEL ENGINE



Sample No: VCP412447
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: W08009441-1 VICO



SAMPLE INFORMATION

Sample Number	VCP412447	VCP268563	VCP249342	VCP206631
Sample Date	21 Aug 2023	14 Apr 2020	12 Jul 2019	08 Nov 2016
Machine Hours	6185	3758	3100	0
Oil Hours	500	0	500	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.6	12.2	12.2	12.68
Base Number (BN)	mg KOH/g	8.8	---	---	---
Oxidation (PA)	%	60	79	82	56



CONTAMINATION

Soot %	%	0.3	0.3	0.4	0.1
Nitration (PA)	%	63	71	82	58
Sulfation (PA)	%	52	58	60	50
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	5	5	6
Sodium	ppm	2	2	2	4
Potassium	ppm	0	2	0	0



WEAR METALS

Iron	ppm	4	9	13	11
Copper	ppm	0	1	2	25
Lead	ppm	<1	<1	3	<1
Tin	ppm	1	0	0	3
Aluminum	ppm	1	2	3	3
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	50	42	50	48
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	979	1682	1554	1307
Magnesium	ppm	826	578	512	702
Zinc	ppm	1080	882	846	958
Phosphorus	ppm	932	777	664	775
Barium	ppm	0	0	0	0
Boron	ppm	4	30	29	27

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.

Depot: VOLVO0264
Unique No: 10714124
Signed: Don Baldrige
Report Date: 30 Oct 2023



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VOLVO GRAPHS

