



CONSTRUCTION EQUIPMENT

701279 PRIMOVIS VOLVO A40G 352781 - DIESEL ENGINE



Sample No: VCP445559
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 701279 PRIMOVIS



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SAMPLE INFORMATION

Sample Number	VCP445559	VCP432439	VCP393910	VCP398771
Sample Date	18 Apr 2024	15 Nov 2023	26 Apr 2023	17 Jan 2023
Machine Hours	4902	4220	3725	3066
Oil Hours	500	500	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 100°C	cSt	12.4	12.4	12.5	13.0
Base Number (BN)	mg KOH/g	8.6	9.6	9.1	9.4
Oxidation (PA)	%	66	80	78	80



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	2.5	0.2	0.2	0.2
Nitration (PA)	%	80	64	72	73
Sulfation (PA)	%	67	60	59	61
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	4	4	6
Sodium	ppm	6	2	2	2
Potassium	ppm	2	<1	<1	0



WEAR METALS

Iron	ppm	9	2	4	8
Copper	ppm	5	<1	3	19
Lead	ppm	<1	0	<1	1
Tin	ppm	1	<1	<1	1
Aluminum	ppm	4	1	0	2
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	47	39	46	44
Nickel	ppm	3	<1	2	3
Titanium	ppm	<1	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	1571	1532	1686	1650
Magnesium	ppm	576	486	541	527
Zinc	ppm	1166	1077	1128	1120
Phosphorus	ppm	1070	894	906	904
Barium	ppm	0	0	0	0
Boron	ppm	14	31	24	31

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: VOLVO0093
Unique No: 11036744
Signed: Wes Davis
Report Date: 22 May 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

