



CONSTRUCTION EQUIPMENT

X36761 VOLVO A25G 752299 - DIESEL ENGINE



Sample No: VCP414180
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: X36761



SAMPLE INFORMATION

Sample Number	VCP414180	VCP400915	VCP390799	VCP386969
Sample Date	24 Aug 2023	05 Jun 2023	30 Mar 2023	27 Jan 2023
Machine Hours	5368	0	3980	3494
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	Changed	Changed
Sample Status	NORMAL	NORMAL	ATTENTION	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.4	12.4	▲ 11.8	12.6
Base Number (BN)	mg KOH/g	9.9	10.6	9.9	10.4
Oxidation (PA)	%	79	82	78	79

CONTAMINATION

Soot %	%	0.1	0.1	0.1	0.1
Nitration (PA)	%	53	50	48	54
Sulfation (PA)	%	60	63	62	61
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	▲ 2.4	<1.0
Silicon	ppm	3	3	4	4
Sodium	ppm	3	2	2	1
Potassium	ppm	5	<1	<1	0

WEAR METALS

Iron	ppm	4	4	4	5
Copper	ppm	2	2	1	2
Lead	ppm	1	<1	0	0
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	2	0	1	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	34	39	41	47
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	1412	1576	1680	1649
Magnesium	ppm	420	468	514	508
Zinc	ppm	950	1049	1099	1086
Phosphorus	ppm	777	900	940	878
Barium	ppm	0	0	0	0
Boron	ppm	33	52	66	72

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: DIPMED
Unique No: 10622191
Signed: Wes Davis
Report Date: 29 Aug 2023



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GRAPHS

