



CONSTRUCTION EQUIPMENT

645826 ATLAS ORG VOLVO A25G 740339 - DIESEL ENGINE



Sample No: VCP440737
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 645826 ATLAS ORG



SAMPLE INFORMATION

Sample Number	VCP440737	VCP415775	VCP295515	VCP276566
Sample Date	06 Dec 2023	05 Jul 2023	04 Dec 2020	03 Aug 2020
Machine Hours	10637	10070	4926	4211
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.1	12.5	12.1	12.2
Base Number (BN)	mg KOH/g	8.3	7.3	---	---
Oxidation (PA)	%	78	67	76	62

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.



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.3	0.2	0.3	0.2
Nitration (PA)	%	63	55	76	69
Sulfation (PA)	%	61	61	62	56
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	3	4	3
Sodium	ppm	2	2	2	2
Potassium	ppm	1	2	10	1



WEAR METALS

Iron	ppm	6	4	7	4
Copper	ppm	<1	<1	2	2
Lead	ppm	0	0	<1	<1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	2	<1	2	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	59	80	37	29
Nickel	ppm	0	0	1	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	1537	1438	1575	1418
Magnesium	ppm	462	399	605	607
Zinc	ppm	1166	1225	889	813
Phosphorus	ppm	964	1008	797	753
Barium	ppm	0	<1	<1	0
Boron	ppm	144	383	63	77

Depot: VOLVO0093
Unique No: 10780131
Signed: Jonathan Hester
Report Date: 13 Dec 2023



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VOLVO GRAPHS

