



CONSTRUCTION EQUIPMENT

VOLVO A25G 740250 - DIESEL ENGINE



Sample No: VCP445624
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP445624	VCP437593	VCP434826	VCP412170
Sample Date	22 Apr 2024	26 Feb 2024	08 Nov 2023	28 Aug 2023
Machine Hours	6403	6109	5775	5525
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ALTA EQUIPMENT COMPANY
 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
 Contact: TODD LARK
 tlark@altaequipfl.com
 T:
 F: (239)481-3302



OIL CONDITION

Visc @ 100°C	cSt	12.3	11.7	12.0	█ 11.7
Base Number (BN)	mg KOH/g	█ 9.6	█ 9.4	█ 9.8	█ 9.2
Oxidation (PA)	%	80	79	80	77

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. Confirm oil type. The condition of the oil is suitable for further service.



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	█ 0.1	█ 0.1	█ 0.1	█ 0.2
Nitration (PA)	%	55	59	58	71
Sulfation (PA)	%	61	58	60	59
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	█ 4	█ 4	█ 4	█ 4
Sodium	ppm	█ 1	█ 2	█ <1	█ 3
Potassium	ppm	█ 2	█ <1	█ 0	█ 0



WEAR METALS

Iron	ppm	█ 4	█ 2	█ 2	█ 7
Copper	ppm	█ 2	█ <1	█ 0	█ 1
Lead	ppm	█ 0	█ <1	█ 0	█ 0
Tin	ppm	█ <1	█ <1	█ <1	█ <1
Aluminum	ppm	█ 2	█ 2	█ 1	█ 1
Chromium	ppm	█ <1	█ <1	█ 0	█ <1
Molybdenum	ppm	█ 39	█ 43	█ 47	█ 48
Nickel	ppm	█ 0	█ <1	█ 0	█ 0
Titanium	ppm	<1	0	0	0
Silver	ppm	█ 0	█ 0	█ 0	█ 0
Manganese	ppm	█ 0	█ <1	█ 0	█ <1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	█ 1588	█ 1632	█ 1594	█ 1740
Magnesium	ppm	█ 471	█ 504	█ 525	█ 618
Zinc	ppm	█ 1078	█ 1143	█ 1103	█ 1158
Phosphorus	ppm	█ 930	█ 938	█ 922	█ 951
Barium	ppm	█ 0	█ 0	█ 0	█ 0
Boron	ppm	█ 43	█ 43	█ 45	█ 34

Depot: VOLVO0090
Unique No: 11004820
Signed: Don Baldrige
Report Date: 01 May 2024



CONSTRUCTION EQUIPMENT



GRAPHS

