



CONSTRUCTION EQUIPMENT

UPAP-PHOENIX SW1034614 330144 VOLVO L90G 617701 - DIESEL ENGINE



Sample No: VCP454017
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SW1034614



SAMPLE INFORMATION

Sample Number	VCP454017	VCE196220	DJJ025952	DJJ0005911
Sample Date	03 Jun 2024	21 Dec 2023	10 May 2023	21 Jun 2022
Machine Hours	11885	11267	10493	9277
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

U-PULL-AND-PAY LLC - PHOENIX
 2501 WEST BUCKEYE RD
 PHOENIX, AZ
 US 85009
 Contact: CASEY MILLER
 casey.miller@upullandpay.com
 T:
 F: (602)233-3971



OIL CONDITION

Visc @ 100°C	cSt	12.3	12.4	13.7	12.8
Base Number (BN)	mg KOH/g	9.6	8.4	8.1	10.0
Oxidation (PA)	%	70	66	62	78

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	0.4	0.4	0.2
Nitration (PA)	%	59	69	68	55
Sulfation (PA)	%	56	53	52	59
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	3.8	<1.0	<1.0
Silicon	ppm	4	4	4	5
Sodium	ppm	3	<1	2	2
Potassium	ppm	<1	0	<1	0



WEAR METALS

Iron	ppm	11	8	9	6
Copper	ppm	1	<1	1	<1
Lead	ppm	<1	<1	0	<1
Tin	ppm	<1	1	<1	<1
Aluminum	ppm	5	5	4	4
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	47	55	59	40
Nickel	ppm	0	0	0	<1
Titanium	ppm	<1	<1	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	1445	1281	1126	1646
Magnesium	ppm	706	895	964	486
Zinc	ppm	1198	1302	1271	1137
Phosphorus	ppm	1035	1082	1016	895
Barium	ppm	0	0	0	0
Boron	ppm	19	8	2	48

Depot: UPAPPHO
Unique No: 11071695
Signed: Wes Davis
Report Date: 11 Jun 2024



CONSTRUCTION EQUIPMENT



GRAPHS

