



CONSTRUCTION EQUIPMENT

VOLVO A40G 353024 - DIESEL ENGINE



Sample No: VCP422308
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP422308	VCP426716	VCP416711	VCP400420
Sample Date	30 Nov 2023	29 Aug 2023	06 Jun 2023	06 Jan 2023
Machine Hours	3568	2996	2513	1623
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	N/A
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	12.2	12.6	12.8
Base Number (BN)	mg KOH/g	9.4	9.8	8.4	10.4
Oxidation (PA)	%	81	80	85	80

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 %	%	0.2	0.2	0.2	0.4
Nitration (PA)	%	64	62	78	60
Sulfation (PA)	%	60	61	64	61
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	0.3	<1.0	<1.0
Silicon	ppm	6	5	6	6
Sodium	ppm	2	3	<1	2
Potassium	ppm	3	0	2	0



WEAR METALS

Iron	ppm	4	5	8	9
Copper	ppm	5	10	23	1
Lead	ppm	1	0	<1	2
Tin	ppm	<1	<1	1	2
Aluminum	ppm	1	1	<1	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	48	72	46	57
Nickel	ppm	2	<1	3	2
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	1683	1787	1664	1726
Magnesium	ppm	550	557	481	555
Zinc	ppm	1143	1158	1100	1212
Phosphorus	ppm	935	956	898	929
Barium	ppm	<1	0	0	0
Boron	ppm	28	39	19	41

Depot: VOLVO0090
Unique No: 10776794
Signed: Wes Davis
Report Date: 07 Dec 2023



CONSTRUCTION EQUIPMENT



GRAPHS

