



CONSTRUCTION EQUIPMENT

600375 VOLVO A30G 752902 - DIESEL ENGINE



Sample No: VCP446299
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 600375



SAMPLE INFORMATION

Sample Number	VCP446299	VCP437328	VCP436225	VCP425147
Sample Date	01 Jul 2024	29 Apr 2024	11 Oct 2023	24 Aug 2023
Machine Hours	2511	2093	1074	532
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	N/A	Changed
Sample Status	NORMAL	ABNORMAL	ABNORMAL	ABNORMAL

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: KENNY HANEY
 khaney@flaglerce.com
 T: (813)630-0077
 F: (813)630-2233

OIL CONDITION

Visc @ 100°C	cSt	12.4	12.7	11.9	10.6
Base Number (BN)	mg KOH/g	9.1	7.3	10.2	5.8
Oxidation (PA)	%	75	85	77	59

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.3	0.6	0.2	0.4
Nitration (PA)	%	58	87	63	84
Sulfation (PA)	%	61	66	61	57
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	0.3
Silicon	ppm	5	6	8	31
Sodium	ppm	<1	<1	<1	5
Potassium	ppm	2	2	<1	4

WEAR METALS

Iron	ppm	8	20	7	28
Copper	ppm	4	28	97	203
Lead	ppm	<1	<1	1	3
Tin	ppm	<1	2	2	4
Aluminum	ppm	3	2	2	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	60	53	51	87
Nickel	ppm	<1	2	2	2
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	<1	0	1	0
Manganese	ppm	<1	<1	1	5
Vanadium	ppm	<1	0	0	<1

ADDITIVES

Calcium	ppm	1570	1895	1784	2348
Magnesium	ppm	478	489	494	93
Zinc	ppm	1083	1202	1177	1222
Phosphorus	ppm	876	914	1019	999
Barium	ppm	<1	0	0	0
Boron	ppm	67	42	57	17

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: VOLVO0093
Unique No: 11103954
Signed: Jonathan Hester
Report Date: 03 Jul 2024



CONSTRUCTION EQUIPMENT



GRAPHS

