



CONSTRUCTION EQUIPMENT

VOLVO A40G 353294 - DIESEL ENGINE



Sample No: VCP436753
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP436753	VCP441674	VCP432467	---
Sample Date	15 Jun 2024	30 Jan 2024	16 Oct 2023	---
Machine Hours	2575	1796	1215	---
Oil Hours	0	500	0	---
Oil Changed	Changed	Changed	N/A	---
Sample Status	NORMAL	ABNORMAL	ABNORMAL	---

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	12.6	12.4	10.6	---
Base Number (BN)	mg KOH/g	8.0	8.8	3.3	---
Oxidation (PA)	%	77	77	77	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.2	0.2	0.5	---
Nitration (PA)	%	68	63	73	---
Sulfation (PA)	%	59	62	69	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	0.8	---
Silicon	ppm	4	8	26	---
Sodium	ppm	1	2	6	---
Potassium	ppm	<1	2	5	---



WEAR METALS

Iron	ppm	5	11	28	---
Copper	ppm	21	57	148	---
Lead	ppm	0	<1	1	---
Tin	ppm	0	2	4	---
Aluminum	ppm	<1	2	2	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	40	44	57	---
Nickel	ppm	<1	4	7	---
Titanium	ppm	0	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	2	4	---
Vanadium	ppm	0	<1	0	---



ADDITIVES

Calcium	ppm	1677	1738	1200	---
Magnesium	ppm	442	457	261	---
Zinc	ppm	1036	1112	1008	---
Phosphorus	ppm	914	903	895	---
Barium	ppm	0	1	0	---
Boron	ppm	12	28	7	---

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: VOLVO0090
Unique No: 11087204
Signed: Wes Davis
Report Date: 20 Jun 2024



CONSTRUCTION EQUIPMENT



GRAPHS

