



CONSTRUCTION EQUIPMENT

VOLVO EC300EL 31314 - DIESEL ENGINE



Sample No: VCP439042
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP439042	VCP422034	---	---
Sample Date	09 Jan 2024	12 Jun 2023	---	---
Machine Hours	2112	1631	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	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	12.6	13.3	---	---
Base Number (BN)	mg KOH/g	9.6	9.2	---	---
Oxidation (PA)	%	81	86	---	---

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	---	---
Soot %	%	0.2	0.3	---	---
Nitration (PA)	%	63	78	---	---
Sulfation (PA)	%	59	64	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	9	14	---	---
Sodium	ppm	<1	4	---	---
Potassium	ppm	6	18	---	---



WEAR METALS

Iron	ppm	6	19	---	---
Copper	ppm	2	8	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	<1	2	---	---
Aluminum	ppm	6	7	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	64	47	---	---
Nickel	ppm	2	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	1622	1927	---	---
Magnesium	ppm	546	472	---	---
Zinc	ppm	1172	1166	---	---
Phosphorus	ppm	920	943	---	---
Barium	ppm	0	0	---	---
Boron	ppm	23	22	---	---

Depot: VOLVO0090
Unique No: 10830449
Signed: Wes Davis
Report Date: 12 Jan 2024



CONSTRUCTION EQUIPMENT



GRAPHS

