



CONSTRUCTION EQUIPMENT

VOLVO EC250 316049 - DIESEL ENGINE



Sample No: VCP401366
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP401366	VCP355211	---	---
Sample Date	31 Aug 2023	19 Jun 2022	---	---
Machine Hours	3279	1592	---	---
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	12.9	12.5	---	---
Base Number (BN)	mg KOH/g	9.9	9.7	---	---
Oxidation (PA)	%	82	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

Soot %	%	0.3	0.2	---	---
Nitration (PA)	%	64	61	---	---
Sulfation (PA)	%	61	61	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	20	5	---	---
Sodium	ppm	4	2	---	---
Potassium	ppm	11	5	---	---



WEAR METALS

Iron	ppm	28	9	---	---
Copper	ppm	5	7	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	6	3	---	---
Chromium	ppm	2	<1	---	---
Molybdenum	ppm	51	52	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	<1	1	---	---
Manganese	ppm	1	<1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	1896	1638	---	---
Magnesium	ppm	560	510	---	---
Zinc	ppm	1183	1093	---	---
Phosphorus	ppm	924	860	---	---
Barium	ppm	0	0	---	---
Boron	ppm	30	35	---	---

Depot: VOLVO0090
Unique No: 10642229
Signed: Don Baldrige
Report Date: 12 Sep 2023



CONSTRUCTION EQUIPMENT



GRAPHS

