



CONSTRUCTION EQUIPMENT

687940 ATLAS ORG VOLVO L70 624147 - DIESEL ENGINE



Sample No: VCP455037
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 687940 ATLAS ORG



SAMPLE INFORMATION

Sample Number	VCP455037	VCP455078	---	---
Sample Date	18 Mar 2024	13 Mar 2024	---	---
Machine Hours	5718	5718	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC
 9601 BOGGY CREEK RD
 ORLANDO, FL
 US 32824
 Contact: Robert LaPlante
 robert.laplante@altg.com
 T: (407)508-9736
 F: (407)659-8720



OIL CONDITION

Visc @ 100°C	cSt	13.7	14.5	---	---
Base Number (BN)	mg KOH/g	9.7	5.8	---	---
Oxidation (PA)	%	81	87	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.3	0.6	---	---
Nitration (PA)	%	64	95	---	---
Sulfation (PA)	%	60	73	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	10	9	---	---
Sodium	ppm	<1	3	---	---
Potassium	ppm	3	4	---	---



WEAR METALS

Iron	ppm	7	31	---	---
Copper	ppm	1	2	---	---
Lead	ppm	3	1	---	---
Tin	ppm	2	1	---	---
Aluminum	ppm	7	10	---	---
Chromium	ppm	1	2	---	---
Molybdenum	ppm	50	25	---	---
Nickel	ppm	1	<1	---	---
Titanium	ppm	<1	78	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	<1	1	---	---
Vanadium	ppm	<1	1	---	---



ADDITIVES

Calcium	ppm	1585	1809	---	---
Magnesium	ppm	671	422	---	---
Zinc	ppm	1200	1236	---	---
Phosphorus	ppm	979	1012	---	---
Barium	ppm	1	0	---	---
Boron	ppm	22	52	---	---

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: VOLVO0096
Unique No: 10940994
Signed: Wes Davis
Report Date: 26 Mar 2024



CONSTRUCTION EQUIPMENT



GRAPHS

