



CONSTRUCTION EQUIPMENT

606736 ATLAS ORG VOLVO L70H 623711 - DIESEL ENGINE



Sample No: VCP418341
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 606736 ATLAS ORG



SAMPLE INFORMATION

Sample Number	VCP418341	VCP415565	---	---
Sample Date	12 Sep 2023	29 Jun 2023	---	---
Machine Hours	8505	8029	---	---
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	13.3	14.4	---	---
Base Number (BN)	mg KOH/g	9.7	6.6	---	---
Oxidation (PA)	%	82	84	---	---



CONTAMINATION

Soot %	%	0.5	0.7	---	---
Nitration (PA)	%	68	85	---	---
Sulfation (PA)	%	62	70	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	8	6	---	---
Sodium	ppm	4	2	---	---
Potassium	ppm	<1	3	---	---

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 acceptable for the time in service.



WEAR METALS

Iron	ppm	12	15	---	---
Copper	ppm	1	2	---	---
Lead	ppm	<1	1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	5	4	---	---
Chromium	ppm	1	<1	---	---
Molybdenum	ppm	70	101	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	2347	1650	---	---
Magnesium	ppm	708	500	---	---
Zinc	ppm	1620	1239	---	---
Phosphorus	ppm	1297	975	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	37	127	---	---

Depot: VOLVO0096
Unique No: 10657340
Signed: Angela Borella
Report Date: 21 Sep 2023



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GRAPHS

