



CONSTRUCTION EQUIPMENT

606753 ATLAS ORG VOLVO L70H 623753 - DIESEL ENGINE



Sample No: VCP418336
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 606753 ATLAS ORG



SAMPLE INFORMATION

Sample Number	VCP418336	VCP417835	VCP272246	---
Sample Date	12 Sep 2023	29 Jun 2023	27 May 2020	---
Machine Hours	7300	6718	576	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 100°C	cSt	13.3	13.9	12.5	---
Base Number (BN)	mg KOH/g	9.8	7.6	---	---
Oxidation (PA)	%	78	66	75	---

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 %	%	0.5	0.4	0.3	---
Nitration (PA)	%	62	55	58	---
Sulfation (PA)	%	60	60	60	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	6	4	18	---
Sodium	ppm	2	1	4	---
Potassium	ppm	<1	1	3	---



WEAR METALS

Iron	ppm	9	6	40	---
Copper	ppm	<1	<1	5	---
Lead	ppm	<1	0	<1	---
Tin	ppm	<1	0	2	---
Aluminum	ppm	4	4	33	---
Chromium	ppm	<1	<1	6	---
Molybdenum	ppm	49	88	36	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	5	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1640	1483	1577	---
Magnesium	ppm	482	431	638	---
Zinc	ppm	1160	1377	889	---
Phosphorus	ppm	944	1114	847	---
Barium	ppm	0	0	2	---
Boron	ppm	42	380	31	---

Depot: VOLVO0096
Unique No: 10657342
Signed: Wes Davis
Report Date: 21 Sep 2023



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GRAPHS

