



CONSTRUCTION EQUIPMENT

41850 VOLVO A40G 352912 - DIESEL ENGINE



Sample No: VCP453843
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 41850



215 - ASCENDUM MACHINERY INC - CAYCE
 2303 AIRPORT BLVD
 CAYCE, SC
 US 29033
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SAMPLE INFORMATION

Sample Number	VCP453843	VCP420563	---	---
Sample Date	22 May 2024	17 Jul 2023	---	---
Machine Hours	4094	2926	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 100°C	cSt	12.7	13.3	---	---
Base Number (BN)	mg KOH/g	9.5	9.6	---	---
Oxidation (PA)	%	80	55	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	60	55	---	---
Sulfation (PA)	%	61	49	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	7	3	---	---
Sodium	ppm	3	1	---	---
Potassium	ppm	2	<1	---	---



WEAR METALS

Iron	ppm	6	5	---	---
Copper	ppm	2	18	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	2	0	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	42	58	---	---
Nickel	ppm	1	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	1650	1144	---	---
Magnesium	ppm	518	985	---	---
Zinc	ppm	1112	1246	---	---
Phosphorus	ppm	979	1040	---	---
Barium	ppm	0	0	---	---
Boron	ppm	57	5	---	---

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: VOLVO0013
Unique No: 11050477
Signed: Wes Davis
Report Date: 30 May 2024



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GRAPHS

