



CONSTRUCTION EQUIPMENT

41753 VOLVO A45G 353742 - DIESEL ENGINE



Sample No: VCP454610
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 41753



215 - ASCENDUM MACHINERY INC - CAYCE
 2303 AIRPORT BLVD
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SAMPLE INFORMATION

Sample Number	VCP454610	VCP444897	---	---
Sample Date	11 Apr 2024	11 Apr 2024	---	---
Machine Hours	574	574	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ATTENTION	ATTENTION	---	---



OIL CONDITION

Visc @ 100°C	cSt	10.7	10.9	---	---
Base Number (BN)	mg KOH/g	5.3	5.4	---	---
Oxidation (PA)	%	59	60	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.4	0.4	---	---
Nitration (PA)	%	81	82	---	---
Sulfation (PA)	%	56	55	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	0.5	---	---
Silicon	ppm	29	34	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	4	3	---	---



WEAR METALS

Iron	ppm	26	28	---	---
Copper	ppm	312	290	---	---
Lead	ppm	2	2	---	---
Tin	ppm	6	6	---	---
Aluminum	ppm	4	4	---	---
Chromium	ppm	2	2	---	---
Molybdenum	ppm	96	96	---	---
Nickel	ppm	7	4	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	2	2	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	2418	2420	---	---
Magnesium	ppm	40	47	---	---
Zinc	ppm	1285	1281	---	---
Phosphorus	ppm	1113	1097	---	---
Barium	ppm	0	0	---	---
Boron	ppm	43	37	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Depot: VOLVO0013
Unique No: 10978448
Signed: Jonathan Hester
Report Date: 19 Apr 2024



CONSTRUCTION EQUIPMENT



GRAPHS

