



CONSTRUCTION EQUIPMENT

755671 MOSAIC VOLVO A40G 353420 - DIESEL ENGINE



Sample No: VCP451164
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 755671 MOSAIC



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: JOHN FARDELLA
 john.fardella@altg.com
 T: (813)630-0077
 F: (813)630-2233



SAMPLE INFORMATION

Sample Number	VCP451164	VCP440917	---	---
Sample Date	13 May 2024	20 Feb 2024	---	---
Machine Hours	2394	1871	---	---
Oil Hours	500	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ATTENTION	ABNORMAL	---	---



OIL CONDITION

Visc @ 100°C	cSt	● 11.7	▲ 11.6	---	---
Base Number (BN)	mg KOH/g	■ 9.2	■ 7.3	---	---
Oxidation (PA)	%	69	76	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	■ 0.2	■ 0.2	---	---
Nitration (PA)	%	63	76	---	---
Sulfation (PA)	%	57	62	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	▲ 2.0	---	---
Silicon	ppm	■ 5	■ 9	---	---
Sodium	ppm	■ 3	■ 3	---	---
Potassium	ppm	■ <1	■ 2	---	---



WEAR METALS

Iron	ppm	■ 6	■ 11	---	---
Copper	ppm	■ 17	■ 113	---	---
Lead	ppm	■ <1	■ <1	---	---
Tin	ppm	■ <1	■ 2	---	---
Aluminum	ppm	■ 2	■ 3	---	---
Chromium	ppm	■ <1	■ <1	---	---
Molybdenum	ppm	■ 40	■ 49	---	---
Nickel	ppm	■ 2	▲ 7	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	■ 0	■ 0	---	---
Manganese	ppm	■ <1	■ 1	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	■ 1585	■ 1540	---	---
Magnesium	ppm	■ 584	■ 504	---	---
Zinc	ppm	■ 1081	■ 1072	---	---
Phosphorus	ppm	■ 957	■ 883	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 33	■ 22	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. 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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Depot: VOLVO0093
Unique No: 11071685
Signed: Sean Felton
Report Date: 12 Jun 2024



CONSTRUCTION EQUIPMENT



GRAPHS

