



CONSTRUCTION EQUIPMENT

SWA311396 RENTAL VOLVO A45GFS 342484 - DIESEL ENGINE



Sample No: VCP422921
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SWA311396 RENTAL



SAMPLE INFORMATION

Sample Number	VCP422921	VCP396711	VCP403216	---
Sample Date	22 Jul 2023	13 May 2023	02 Mar 2023	---
Machine Hours	10287	9687	9039	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

ALTA CONSTRUCTION EQUIPMENT
613 E STEVENSON RD
OTTAWA, IL
US 61350
Contact: KEVIN SKRTICH
KEVIN.SKRTICH@ALTAEQUIPMENT.COM
T:
F:



OIL CONDITION

Visc @ 100°C	cSt	13.6	13.3	13.3	---
Base Number (BN)	mg KOH/g	8.5	8.2	9.0	---
Oxidation (PA)	%	56	58	57	---

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 %	%	0.4	0.4	0.4	---
Nitration (PA)	%	62	68	61	---
Sulfation (PA)	%	51	52	53	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	2	4	3	---
Sodium	ppm	0	0	<1	---
Potassium	ppm	2	2	0	---



WEAR METALS

Iron	ppm	7	10	5	---
Copper	ppm	<1	<1	<1	---
Lead	ppm	<1	<1	0	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	2	3	1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	62	78	57	---
Nickel	ppm	<1	1	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	<1	<1	<1	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	1066	1329	1016	---
Magnesium	ppm	931	1178	936	---
Zinc	ppm	1229	1530	1248	---
Phosphorus	ppm	1038	1317	972	---
Barium	ppm	0	0	0	---
Boron	ppm	0	0	0	---

Depot: VOLVO5055
Unique No: 10589097
Signed: Wes Davis
Report Date: 08 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

