



CONSTRUCTION EQUIPMENT

SPM540491 RUSCO VOLVO ECR145 110603 - DIESEL ENGINE



Sample No: VCP406920
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SPM540491 RUSCO



SAMPLE INFORMATION

Sample Number	VCP406920	---	---	---
Sample Date	26 Apr 2023	---	---	---
Machine Hours	5283	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

ALTA CONSTRUCTION EQUIPMENT LLC
 G-3283 S. DORT HIGHWAY
 BURTON, MI
 US 48529
 Contact: BURTON SERVICE
 BURTON.SERVICE@ALTAEQUIPMENT.COM
 T:
 F:



OIL CONDITION

Visc @ 100°C	cSt	█ 14.5	---	---	---
Base Number (BN)	mg KOH/g	█ 6.7	---	---	---
Oxidation (PA)	%	61	---	---	---

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	---	---	---
Nitration (PA)	%	59	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 7	---	---	---



WEAR METALS

Iron	ppm	█ 10	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 6	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 2231	---	---	---
Magnesium	ppm	█ 61	---	---	---
Zinc	ppm	█ 1154	---	---	---
Phosphorus	ppm	█ 929	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 160	---	---	---

Depot: VOLVO5023
Unique No: 10454994
Signed: Sean Felton
Report Date: 04 May 2023



CONSTRUCTION EQUIPMENT



GRAPHS

