



CONSTRUCTION EQUIPMENT

45595 IRON SMART VOLVO A40G 341548 - DIESEL ENGINE



Sample No: VCP432720
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 45595 IRON SMART



SAMPLE INFORMATION

Sample Number	VCP432720	---	---	---
Sample Date	10 Oct 2023	---	---	---
Machine Hours	8084	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

SCOTT EQUIPMENT COMPANY LLC - Lavergne
 1231 BRIDGESTONE PARKWAY
 LAVERGNE, TN
 US 37086
 Contact: BILLY BEARD
 jbeard@scottcompanies.com
 T:
 F: (615)793-9655



OIL CONDITION

Visc @ 100°C	cSt	█ 12.1	---	---	---
Base Number (BN)	mg KOH/g	█ 6.3	---	---	---
Oxidation (PA)	%	70	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. 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)	%	73	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 0.9	---	---	---
Silicon	ppm	█ 14	---	---	---
Sodium	ppm	█ 16	---	---	---
Potassium	ppm	█ 6	---	---	---



WEAR METALS

Iron	ppm	█ 25	---	---	---
Copper	ppm	█ 18	---	---	---
Lead	ppm	█ 4	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 10	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 65	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1714	---	---	---
Magnesium	ppm	█ 390	---	---	---
Zinc	ppm	█ 1181	---	---	---
Phosphorus	ppm	█ 954	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 32	---	---	---

Depot: VOLV00129
Unique No: 10695324
Signed: Wes Davis
Report Date: 16 Oct 2023



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GRAPHS

