



CONSTRUCTION EQUIPMENT

SWA434752 ATL TRASH VOLVO EC140 315666 - DIESEL ENGINE



Sample No: VCP382575
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SWA434752 ATL TRASH



SAMPLE INFORMATION

Sample Number	VCP382575	VCP413409	---	---
Sample Date	12 Dec 2023	20 Sep 2023	---	---
Machine Hours	849	471	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ATTENTION	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 14.8	▲ 10.4	---	---
Base Number (BN)	mg KOH/g	█ 9.2	█ 6.5	---	---
Oxidation (PA)	%	53	41	---	---

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

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.2	█ 0.2	---	---
Nitration (PA)	%	48	57	---	---
Sulfation (PA)	%	48	47	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	█ 0.3	---	---
Silicon	ppm	█ 9	█ 22	---	---
Sodium	ppm	█ <1	█ 3	---	---
Potassium	ppm	█ 2	█ 1	---	---

WEAR METALS

Iron	ppm	█ 78	█ 19	---	---
Copper	ppm	█ 2	█ 9	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ <1	█ 3	---	---
Aluminum	ppm	█ 25	█ 12	---	---
Chromium	ppm	█ 2	█ 2	---	---
Molybdenum	ppm	█ 59	█ 6	---	---
Nickel	ppm	█ 1	█ 6	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ 4	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 1036	█ 2251	---	---
Magnesium	ppm	█ 930	99	---	---
Zinc	ppm	█ 1195	█ 1089	---	---
Phosphorus	ppm	█ 974	█ 934	---	---
Barium	ppm	█ 12	█ 0	---	---
Boron	ppm	█ 0	█ 22	---	---

Depot: VOLVO0095
Unique No: 10790963
Signed: Don Baldrige
Report Date: 19 Dec 2023



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GRAPHS

