



CONSTRUCTION EQUIPMENT

12252 VOLVO A45G 353036 - DIESEL ENGINE



Sample No: VCP449559
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 12252



SAMPLE INFORMATION

Sample Number	VCP449559	---	---	---
Sample Date	08 May 2024	---	---	---
Machine Hours	1856	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

HOFFMAN EQUIPMENT - LIONVILLE
 120 GORDON DRIVE
 LIONVILLE, PA
 US 19341
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OIL CONDITION

Visc @ 100°C	cSt	● 10.9	---	---	---
Base Number (BN)	mg KOH/g	■ 10.0	---	---	---
Oxidation (PA)	%	75	---	---	---

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. Fuel content negligible. 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.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.4	---	---	---
Nitration (PA)	%	55	---	---	---
Sulfation (PA)	%	59	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.3	---	---	---
Silicon	ppm	■ 7	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 0	---	---	---



WEAR METALS

Iron	ppm	■ 17	---	---	---
Copper	ppm	■ 28	---	---	---
Lead	ppm	■ 3	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 5	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 43	---	---	---
Nickel	ppm	■ 5	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 1741	---	---	---
Magnesium	ppm	■ 480	---	---	---
Zinc	ppm	■ 960	---	---	---
Phosphorus	ppm	■ 846	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 68	---	---	---

Depot: VOLVO8879
Unique No: 11021139
Signed: Don Baldrige
Report Date: 15 May 2024



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GRAPHS

