



CONSTRUCTION EQUIPMENT

1035055 SILICA SVCS VOLVO EC550EL 310295 - DIESEL ENGINE



Sample No: VCP06219252
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: 1035055 SILICA SVCS



SAMPLE INFORMATION

Sample Number	VCP06219252	---	---	---
Sample Date	10 Jun 2024	---	---	---
Machine Hours	798	---	---	---
Oil Hours	798	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	● 10.9	---	---	---
Base Number (BN)	mg KOH/g	■ 4.3	---	---	---
Oxidation (PA)	%	75	---	---	---

Diagnosis

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 %	%	■ 0.2	---	---	---
Nitration (PA)	%	85	---	---	---
Sulfation (PA)	%	62	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.4	---	---	---
Silicon	ppm	■ 22	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 4	---	---	---



WEAR METALS

Iron	ppm	■ 12	---	---	---
Copper	ppm	■ 210	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 90	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ <1	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 2120	---	---	---
Magnesium	ppm	■ 118	---	---	---
Zinc	ppm	■ 1142	---	---	---
Phosphorus	ppm	■ 1006	---	---	---
Barium	ppm	■ 2	---	---	---
Boron	ppm	■ 14	---	---	---

Depot: VOLVO6174
Unique No: 11097449
Signed: Don Baldrige
Report Date: 27 Jun 2024



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GRAPHS

