



CONSTRUCTION EQUIPMENT

SW1034410 ALL CITY T - DIESEL ENGINE



Sample No: VCP440857
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SW1034410 ALL CITY T



SAMPLE INFORMATION

Sample Number	VCP440857	---	---	---
Sample Date	16 May 2024	---	---	---
Machine Hours	3543	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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 4323 EAST WINSLOW AVENUE
 PHOENIX, AZ
 US 85040
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 T:
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OIL CONDITION

Visc @ 100°C	cSt	█ 13.5	---	---	---
Base Number (BN)	mg KOH/g	█ 9.6	---	---	---
Oxidation (PA)	%	70	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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 acceptable for the time in service.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	60	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 1	---	---	---



WEAR METALS

Iron	ppm	█ 13	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 20	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 50	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1467	---	---	---
Magnesium	ppm	█ 774	---	---	---
Zinc	ppm	█ 1267	---	---	---
Phosphorus	ppm	█ 1003	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 30	---	---	---

Depot: VOLVO6174
Unique No: 11046902
Signed: Angela Borella
Report Date: 29 May 2024



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GRAPHS

