



CONSTRUCTION EQUIPMENT

VULCAN VOLVO A40G 352047 - DIESEL ENGINE



Sample No: VCP384526
Oil Type: {unknown}
Job No: VULCAN



SAMPLE INFORMATION

Sample Number	VCP384526	---	---	---
Sample Date	02 Apr 2024	---	---	---
Machine Hours	6731	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

SCOTT EQUIPMENT COMPANY LLC - Lavergne
 1231 BRIDGESTONE PARKWAY
 LAVERGNE, TN
 US 37086
 Contact: CLAY COULTER
 CCOULTER@SCOTTCOMPANIES.COM
 T: (615)793-3888
 F: (615)793-9655



OIL CONDITION

Visc @ 100°C	cSt	█ 12.3	---	---	---
Base Number (BN)	mg KOH/g	█ 9.0	---	---	---
Oxidation (PA)	%	87	---	---	---

Diagnosis

We advise that you check for possible coolant leak. Check for low coolant level. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Sodium and/or potassium levels are high. Fuel content negligible. The BN result indicates that there is suitable alkalinity remaining in the oil.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	89	---	---	---
Sulfation (PA)	%	62	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 1.1	---	---	---
Silicon	ppm	█ 10	---	---	---
Sodium	ppm	▲ 139	---	---	---
Potassium	ppm	▲ 28	---	---	---



WEAR METALS

Iron	ppm	█ 22	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 45	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1608	---	---	---
Magnesium	ppm	█ 481	---	---	---
Zinc	ppm	█ 1056	---	---	---
Phosphorus	ppm	█ 888	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 22	---	---	---

Depot: VOLV00129
Unique No: 10963047
Signed: Jonathan Hester
Report Date: 09 Apr 2024



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GRAPHS

Iron (ppm)



Lead (ppm)



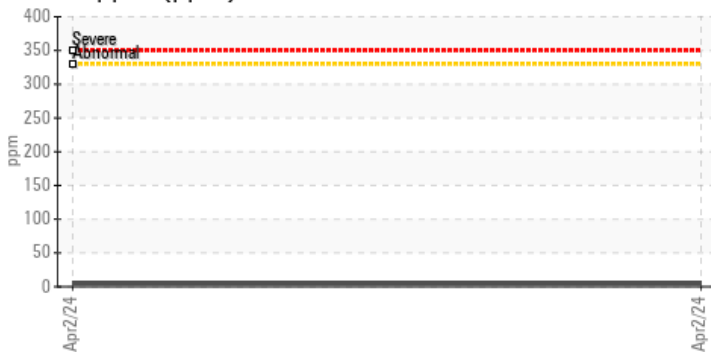
Aluminum (ppm)



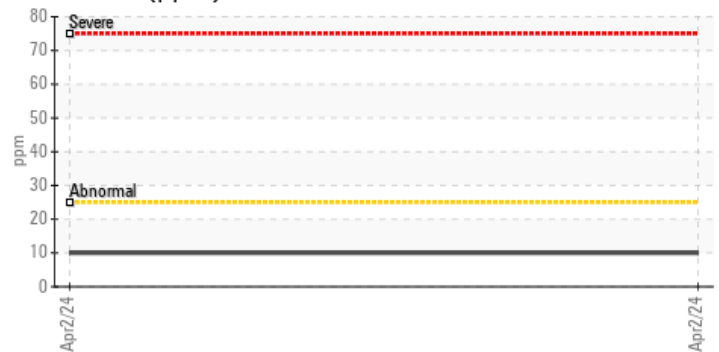
Chromium (ppm)



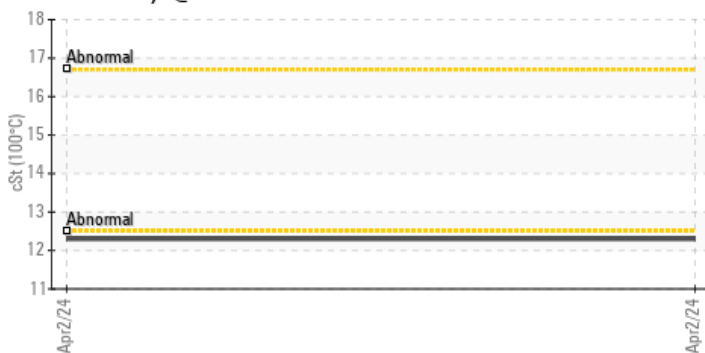
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

