



CONSTRUCTION EQUIPMENT

135982 VOLVO A40G 752154 - DIESEL ENGINE



Sample No: VCP439721
Oil Type: {unknown}
Job No: 135982



SAMPLE INFORMATION

Sample Number	VCP439721	---	---	---
Sample Date	03 Apr 2024	---	---	---
Machine Hours	530	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

LATTIMORE MATERIALS/HOLCIM - ROSSER - LAFARGE
 14242 S SH-34
 SCURRY, TX
 US 75158
 Contact: WALLACE WARREN
 wallace.warren@lafargeholcim.com
 T:
 F:



OIL CONDITION

Visc @ 100°C	cSt	● 10.7	---	---	---
Base Number (BN)	mg KOH/g	■ 5.2	---	---	---
Oxidation (PA)	%	■ 57	---	---	---

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. 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 %	%	■ 0.1	---	---	---
Nitration (PA)	%	■ 79	---	---	---
Sulfation (PA)	%	■ 54	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	■ 0.3	---	---	---
Silicon	ppm	■ 29	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 3	---	---	---



WEAR METALS

Iron	ppm	■ 17	---	---	---
Copper	ppm	■ 241	---	---	---
Lead	ppm	■ 3	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 85	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 2372	---	---	---
Magnesium	ppm	■ 27	---	---	---
Zinc	ppm	■ 1252	---	---	---
Phosphorus	ppm	■ 1039	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 31	---	---	---

Depot: LATSCU
Unique No: 10966853
Signed: Jonathan Hester
Report Date: 11 Apr 2024



CONSTRUCTION EQUIPMENT

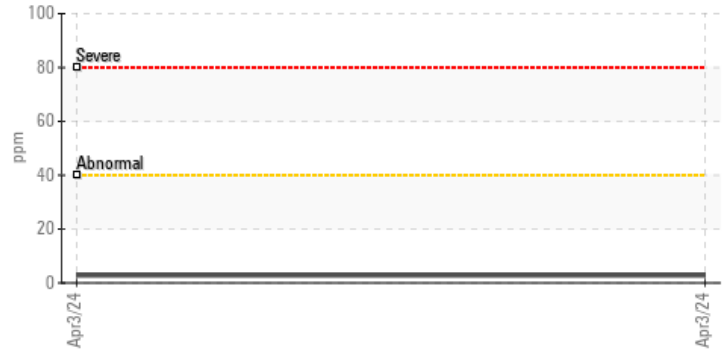


GRAPHS

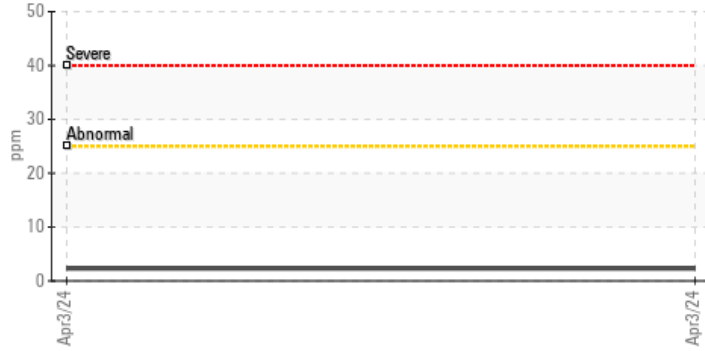
Iron (ppm)



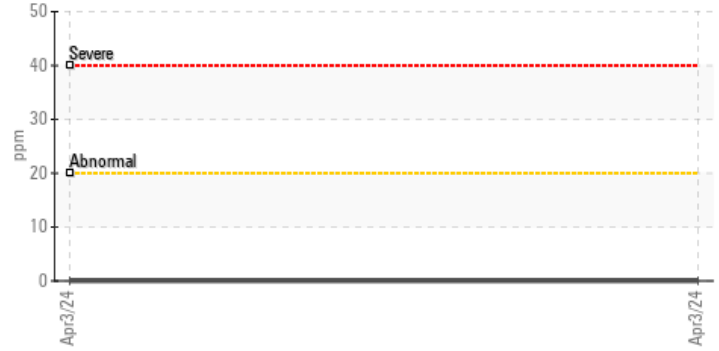
Lead (ppm)



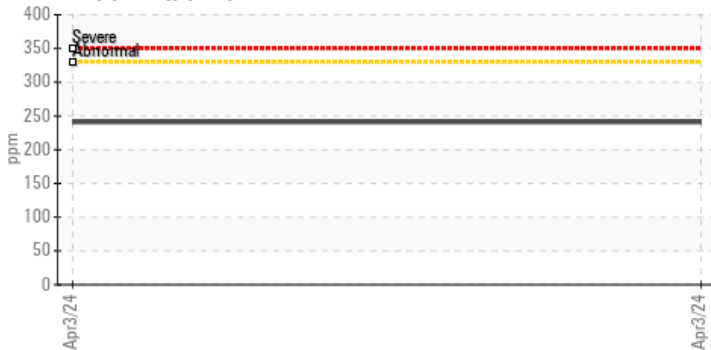
Aluminum (ppm)



Chromium (ppm)



Copper (ppm)



Silicon (ppm)



● Viscosity @ 100°C



Base Number

