



CONSTRUCTION EQUIPMENT

X48978 TADANO GR800XL-4 RA1014 - DIESEL ENGINE



Sample No: VCP439917
Oil Type: VOLVO VDS-4.5 Premium Motor Oil 15W40
Job No: X48978



SAMPLE INFORMATION

Sample Number	VCP439917	---	---	---
Sample Date	09 May 2024	---	---	---
Machine Hours	434	---	---	---
Oil Hours	434	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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 LAKE CHARLES, LA
 US 70616
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OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	---	---	---
Base Number (BN)	mg KOH/g	█ 8.0	---	---	---
Oxidation (PA)	%	69	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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 %	%	█ 0.3	---	---	---
Nitration (PA)	%	68	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 57	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 19	---	---	---



WEAR METALS

Iron	ppm	█ 32	---	---	---
Copper	ppm	█ 35	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 62	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 5	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1739	---	---	---
Magnesium	ppm	█ 366	---	---	---
Zinc	ppm	█ 1233	---	---	---
Phosphorus	ppm	█ 1146	---	---	---
Barium	ppm	█ 11	---	---	---
Boron	ppm	█ 134	---	---	---

Depot: VOLVO6244
Unique No: 11031025
Signed: Sean Felton
Report Date: 17 May 2024



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GRAPHS

Iron (ppm)



Lead (ppm)



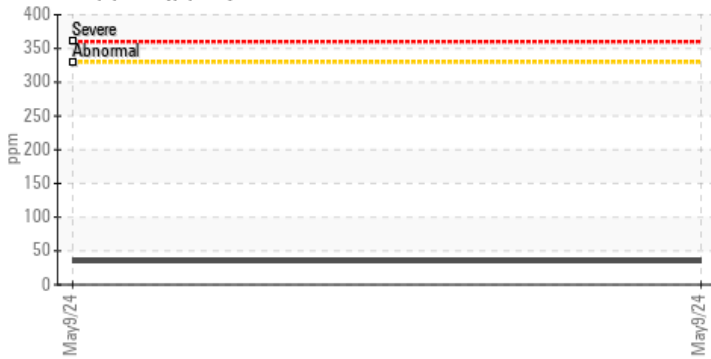
Aluminum (ppm)



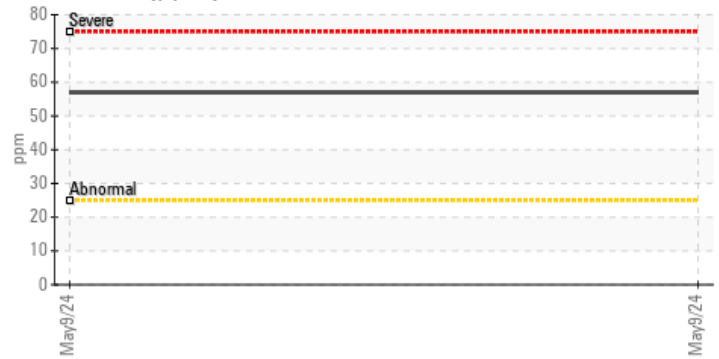
Chromium (ppm)



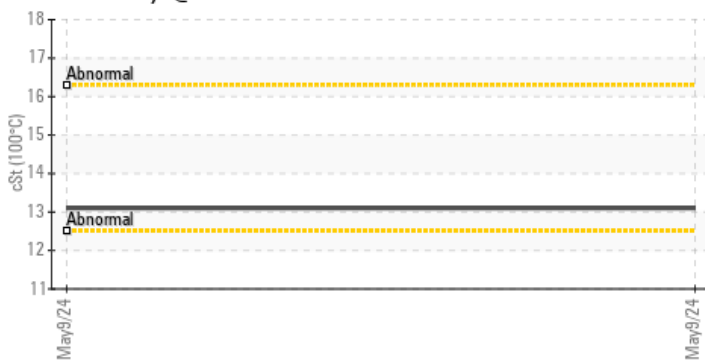
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

