



CONSTRUCTION EQUIPMENT

975 INGERSOLL RAND XHP750 412633 - DIESEL ENGINE



Sample No: VCP436933
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: 975



SAMPLE INFORMATION

Sample Number	VCP436933	---	---	---
Sample Date	01 May 2024	---	---	---
Machine Hours	1	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---

VCS- VOLVO CONSTRUCTION EQUIPMENT
 12345 MAPLEVIEW STREET
 LAKESIDE, CA
 US 92040
 Contact: Mark Stewart
 mark.stewart@vcesvolvo.com
 T: X
 F: X



OIL CONDITION

Visc @ 100°C	cSt	● 10.9	---	---	---
Base Number (BN)	mg KOH/g	■ 12.1	---	---	---
Oxidation (PA)	%	47	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. 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	---	---	---
Nitration (PA)	%	42	---	---	---
Sulfation (PA)	%	40	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.2	---	---	---
Silicon	ppm	■ 6	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 3	---	---	---



WEAR METALS

Iron	ppm	■ 4	---	---	---
Copper	ppm	■ 12	---	---	---
Lead	ppm	■ 3	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 4	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 2427	---	---	---
Magnesium	ppm	■ 257	---	---	---
Zinc	ppm	■ 1284	---	---	---
Phosphorus	ppm	■ 1107	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 15	---	---	---

Depot: VOLVO4488
Unique No: 11075933
Signed: Jonathan Hester
Report Date: 19 Jun 2024



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GRAPHS

Iron (ppm)



Lead (ppm)



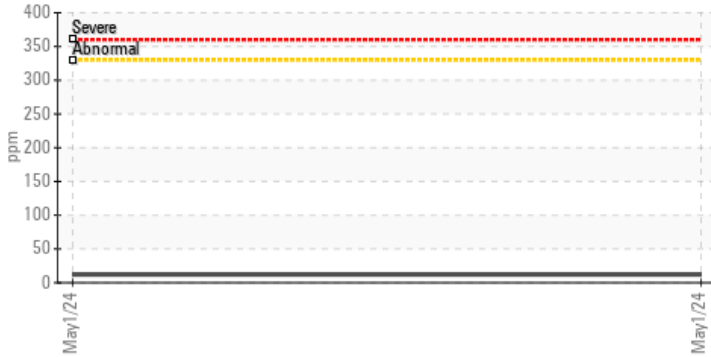
Aluminum (ppm)



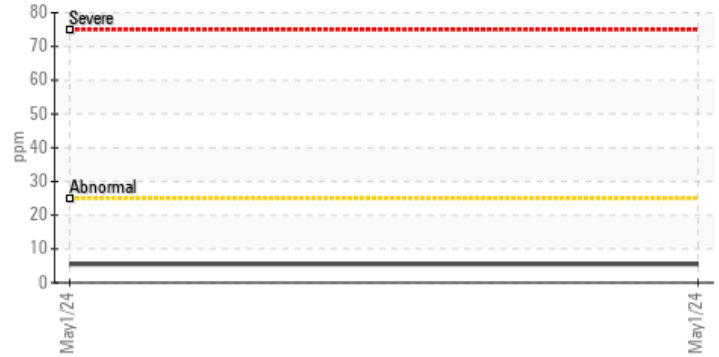
Chromium (ppm)



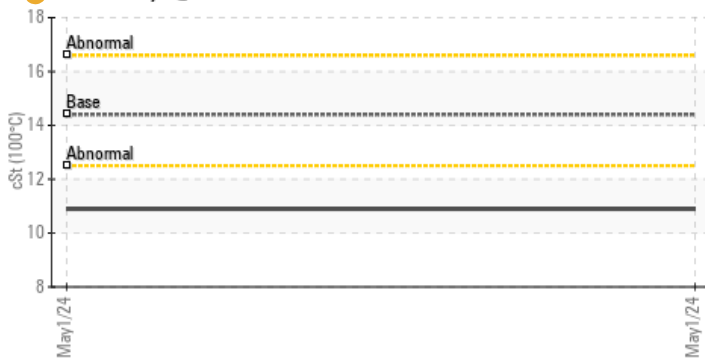
Copper (ppm)



Silicon (ppm)



● Viscosity @ 100°C



Base Number

