



CONSTRUCTION EQUIPMENT

688229 WASTE CONN VOLVO L150 7318 - DIESEL ENGINE



Sample No: VCP455293
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 688229 WASTE CONN



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SAMPLE INFORMATION

Sample Number	VCP455293	---	---	---
Sample Date	15 Mar 2024	---	---	---
Machine Hours	250	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	● 11.3	---	---	---
Base Number (BN)	mg KOH/g	■ 7.1	---	---	---
Oxidation (PA)	%	55	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	68	---	---	---
Sulfation (PA)	%	48	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.3	---	---	---
Silicon	ppm	■ 20	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 5	---	---	---



WEAR METALS

Iron	ppm	■ 7	---	---	---
Copper	ppm	■ 67	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 4	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 83	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 3	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 2181	---	---	---
Magnesium	ppm	30	---	---	---
Zinc	ppm	■ 1173	---	---	---
Phosphorus	ppm	■ 1024	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 67	---	---	---

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.

Depot: VOLVO0093
Unique No: 10937608
Signed: Don Baldrige
Report Date: 22 Mar 2024

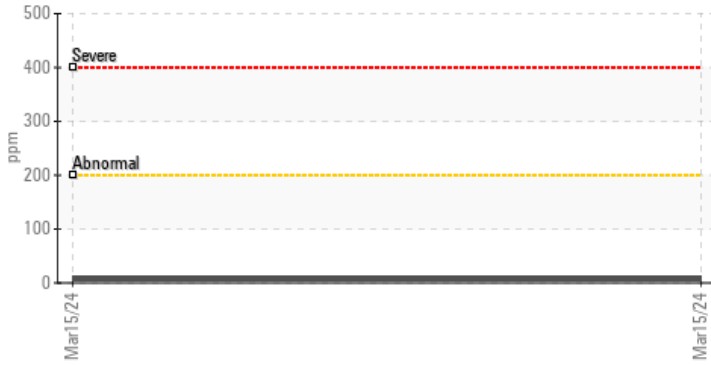


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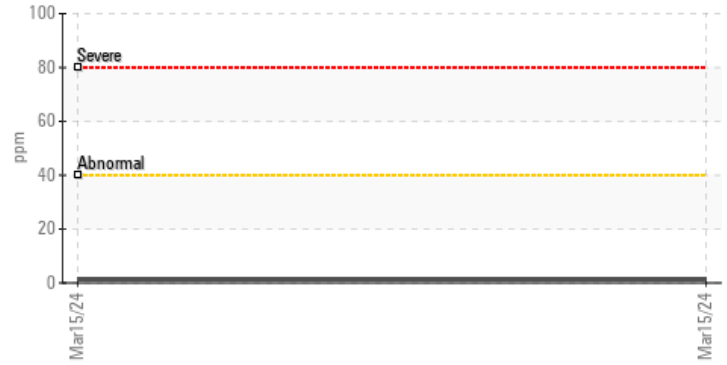


GRAPHS

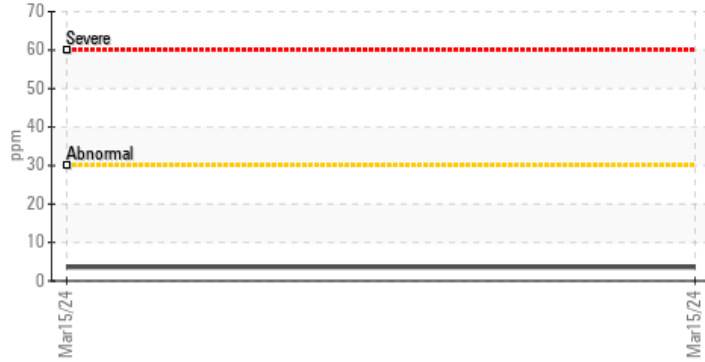
Iron (ppm)



Lead (ppm)



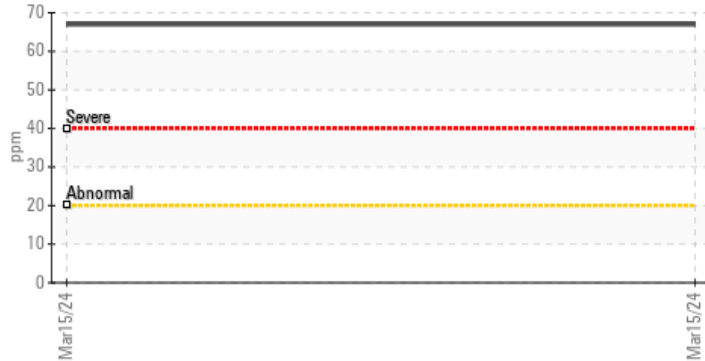
Aluminum (ppm)



Chromium (ppm)



Copper (ppm)



Silicon (ppm)



● Viscosity @ 100°C



Base Number

