



CONSTRUCTION EQUIPMENT

386327 TRIDEN ASV RT135 FORESTRY ASVRT135JNDF00309 - DIESEL ENGINE



Sample No: VCP414656
Oil Type: ASV 5W40
Job No: 386327 TRIDEN



SAMPLE INFORMATION

Sample Number	VCP414656	---	---	---
Sample Date	16 Oct 2023	---	---	---
Machine Hours	267	---	---	---
Oil Hours	267	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	▲ 11.88	---	---	---
Base Number (BN)	mg KOH/g	■ 9.1	---	---	---
Oxidation (PA)	%	71	---	---	---

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 a light concentration of water present in the oil. Test for glycol is negative. The oil viscosity is lower than normal. Confirm oil type.

CONTAMINATION

Water	%	▲ 0.207	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	75	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	■ 0.0	---	---	---
Fuel	%	■ 0.3	---	---	---
Silicon	ppm	■ 17	---	---	---
Sodium	ppm	■ 10	---	---	---
Potassium	ppm	■ 2	---	---	---

WEAR METALS

Iron	ppm	■ 67	---	---	---
Copper	ppm	■ 12	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 11	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ 58	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	3	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	8	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 1030	---	---	---
Magnesium	ppm	■ 1151	---	---	---
Zinc	ppm	■ 1336	---	---	---
Phosphorus	ppm	■ 1102	---	---	---
Barium	ppm	■ 10	---	---	---
Boron	ppm	■ 39	---	---	---

Depot: VOLVO0093
Unique No: 10738411
Signed: Doug Bogart
Report Date: 24 Nov 2023

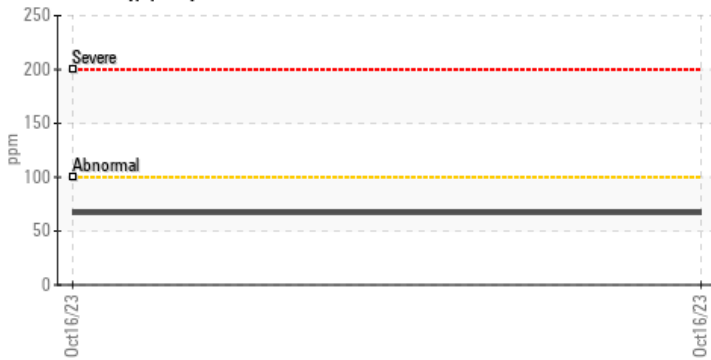


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GRAPHS

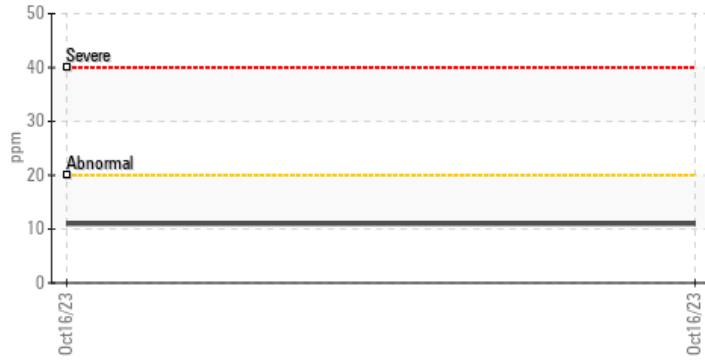
Iron (ppm)



Lead (ppm)



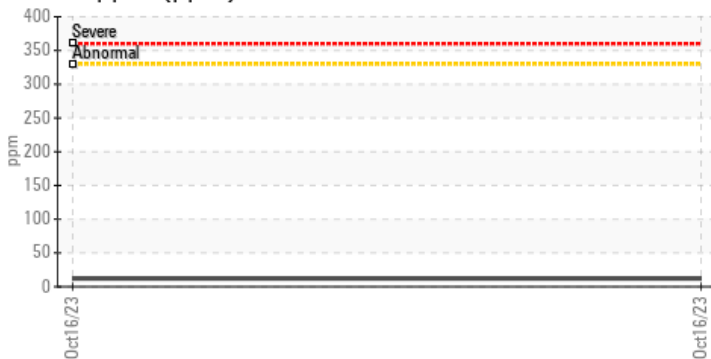
Aluminum (ppm)



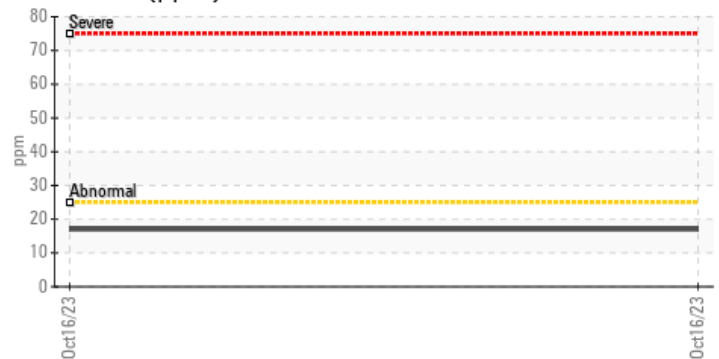
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



▲ Viscosity @ 100°C



Base Number

