



CONSTRUCTION EQUIPMENT

326128 VOLVO A30G 752892 - DIESEL ENGINE



Sample No: VCP417471
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 326128



SAMPLE INFORMATION

Sample Number	VCP417471	---	---	---
Sample Date	10 Aug 2023	---	---	---
Machine Hours	661	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JIM STRIGLE
 JIM.STRIGLE@ALTG.COM
 T: (315)437-2611
 F: (315)434-9471

OIL CONDITION

Visc @ 100°C	cSt	▲ 12.2	---	---	---
Base Number (BN)	mg KOH/g	■ 9.1	---	---	---
Oxidation (PA)	%	78	---	---	---

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

Soot %	%	■ 0.3	---	---	---
Nitration (PA)	%	68	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.3	---	---	---
Silicon	ppm	■ 11	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 2	---	---	---

WEAR METALS

Iron	ppm	■ 16	---	---	---
Copper	ppm	■ 17	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 52	---	---	---
Nickel	ppm	■ 6	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 1	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 1905	---	---	---
Magnesium	ppm	■ 408	---	---	---
Zinc	ppm	■ 1168	---	---	---
Phosphorus	ppm	■ 976	---	---	---
Barium	ppm	■ 2	---	---	---
Boron	ppm	■ 45	---	---	---

Depot: VOLVO0142
Unique No: 10603064
Signed: Don Baldrige
Report Date: 15 Aug 2023



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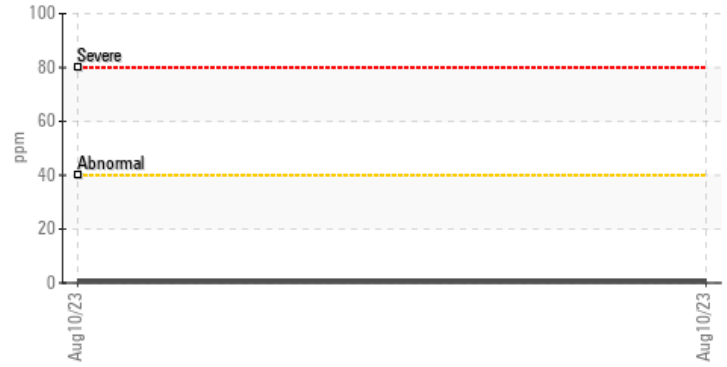


GRAPHS

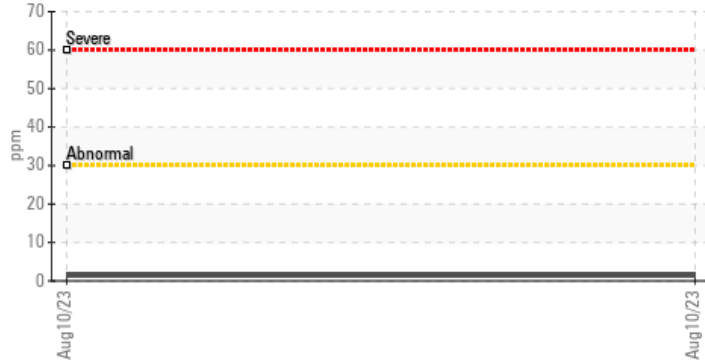
Iron (ppm)



Lead (ppm)



Aluminum (ppm)



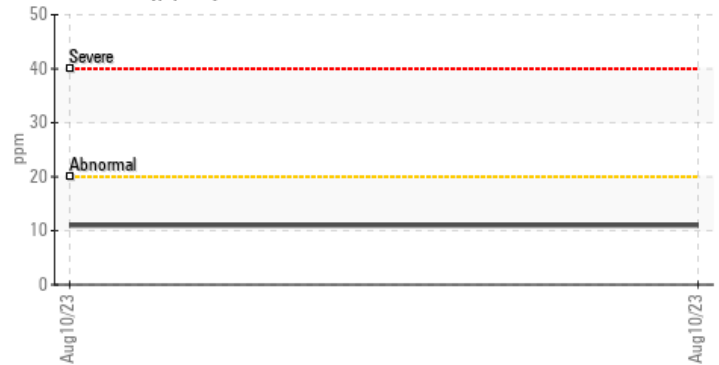
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



▲ Viscosity @ 100°C



Base Number

