



CONSTRUCTION EQUIPMENT

REPUBLIC SERVICES TOYOTA 80265 - DIESEL ENGINE



Sample No: VCP441679
Oil Type: MOBIL DELVAC 1300 SUPER 10W30
Job No: REPUBLIC SERVICES



SAMPLE INFORMATION

Sample Number	VCP441679	---	---	---
Sample Date	07 Dec 2023	---	---	---
Machine Hours	9034	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

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 SALT LAKE CITY, UT
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OIL CONDITION

Visc @ 100°C	cSt	▲ 8.5	---	---	---
Base Number (BN)	mg KOH/g	■ 3.0	---	---	---
Oxidation (PA)	%	53	---	---	---

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 %	%	■ 0.1	---	---	---
Nitration (PA)	%	88	---	---	---
Sulfation (PA)	%	75	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.2	---	---	---
Silicon	ppm	■ 17	---	---	---
Sodium	ppm	■ 12	---	---	---
Potassium	ppm	■ <1	---	---	---

WEAR METALS

Iron	ppm	■ 36	---	---	---
Copper	ppm	■ 3	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 10	---	---	---
Chromium	ppm	■ 11	---	---	---
Molybdenum	ppm	■ 73	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	1022	---	---	---
Magnesium	ppm	■ 602	---	---	---
Zinc	ppm	■ 846	---	---	---
Phosphorus	ppm	■ 648	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 14	---	---	---

Depot: VOLVO8770
Unique No: 10792833
Signed: Don Baldrige
Report Date: 23 Dec 2023



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GRAPHS

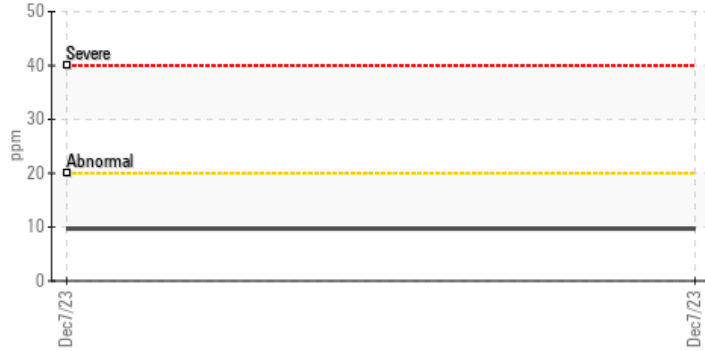
Iron (ppm)



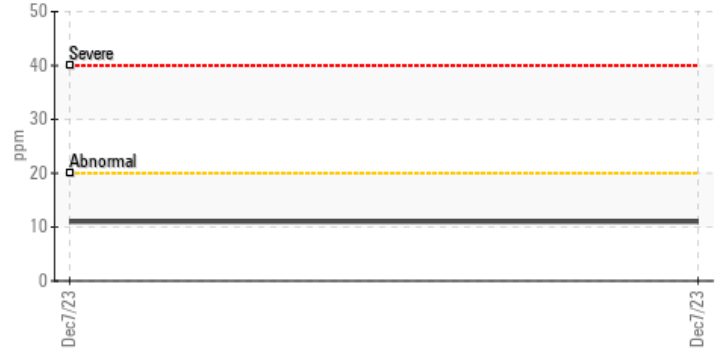
Lead (ppm)



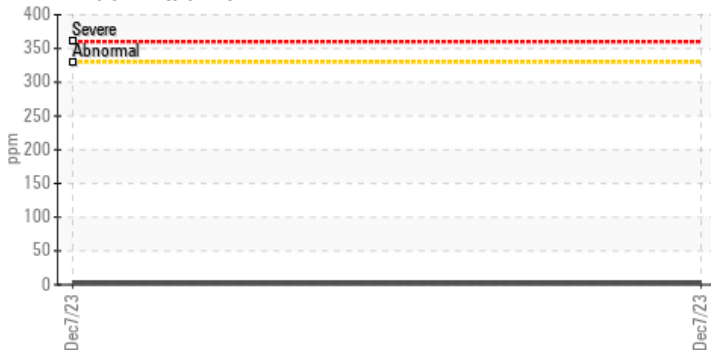
Aluminum (ppm)



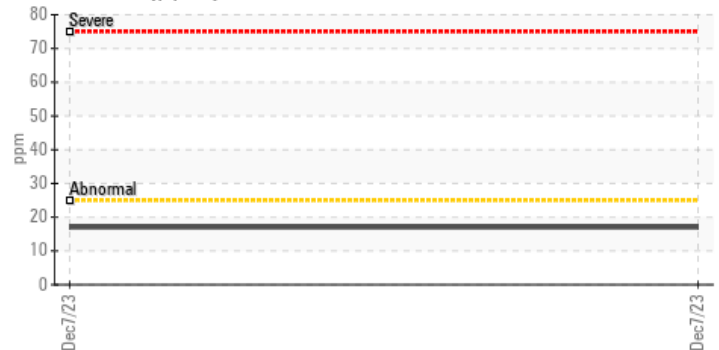
Chromium (ppm)



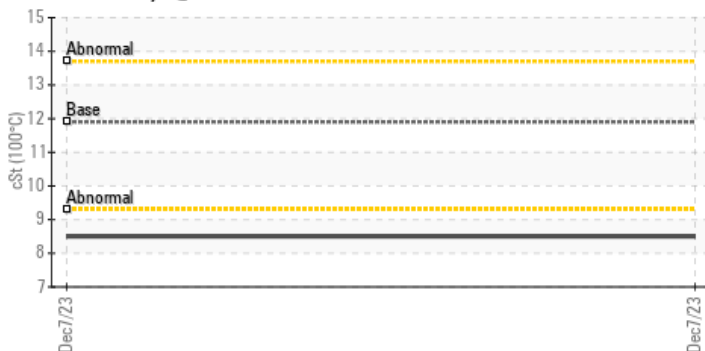
Copper (ppm)



Silicon (ppm)



▲ Viscosity @ 100°C



Base Number

