



CONSTRUCTION EQUIPMENT

701326 LEVY TAKEUCHI TL8RW 200809160 - DIESEL ENGINE



Sample No: VCP441313
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 701326 LEVY



SAMPLE INFORMATION

Sample Number	VCP441313	VCP371896	---	---
Sample Date	30 Apr 2024	13 Jul 2022	---	---
Machine Hours	1371	929	---	---
Oil Hours	500	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ATTENTION	ABNORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	● 11.8	▲ 11.5	---	---
Base Number (BN)	mg KOH/g	■ 7.1	■ 7.2	---	---
Oxidation (PA)	%	82	100	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Light fuel dilution occurring. 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	NEG	---	---
Soot %	%	■ 0.3	■ 0.3	---	---
Nitration (PA)	%	98	99	---	---
Sulfation (PA)	%	61	74	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	▲ 3.2	▲ 6.6	---	---
Silicon	ppm	■ 7	■ 5	---	---
Sodium	ppm	■ 4	■ 3	---	---
Potassium	ppm	■ 6	■ 6	---	---

WEAR METALS

Iron	ppm	■ 26	■ 20	---	---
Copper	ppm	■ 7	■ 8	---	---
Lead	ppm	■ 3	■ <1	---	---
Tin	ppm	■ 3	■ <1	---	---
Aluminum	ppm	■ 4	■ 2	---	---
Chromium	ppm	■ 3	■ <1	---	---
Molybdenum	ppm	■ 50	■ 9	---	---
Nickel	ppm	■ 3	■ 0	---	---
Titanium	ppm	2	0	---	---
Silver	ppm	■ 3	■ <1	---	---
Manganese	ppm	■ 3	■ <1	---	---
Vanadium	ppm	2	0	---	---

ADDITIVES

Calcium	ppm	■ 1365	■ 2217	---	---
Magnesium	ppm	744	■ 132	---	---
Zinc	ppm	■ 1243	■ 1195	---	---
Phosphorus	ppm	■ 1007	■ 986	---	---
Barium	ppm	■ 1	■ 0	---	---
Boron	ppm	■ 25	100	---	---

Depot: VOLVO2990
Unique No: 11033689
Signed: Jonathan Hester
Report Date: 21 May 2024



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GRAPHS

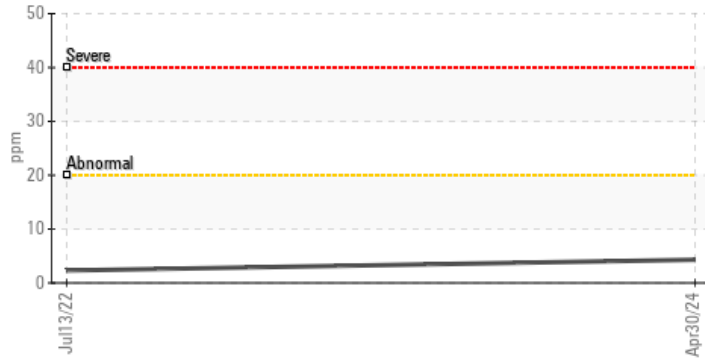
Iron (ppm)



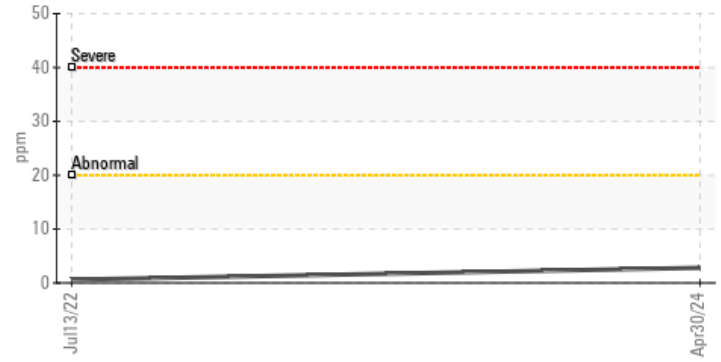
Lead (ppm)



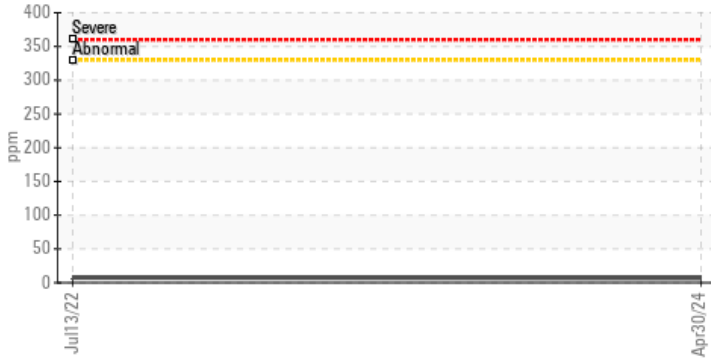
Aluminum (ppm)



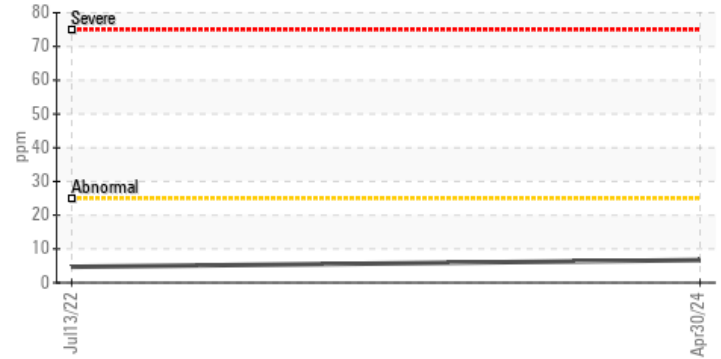
Chromium (ppm)



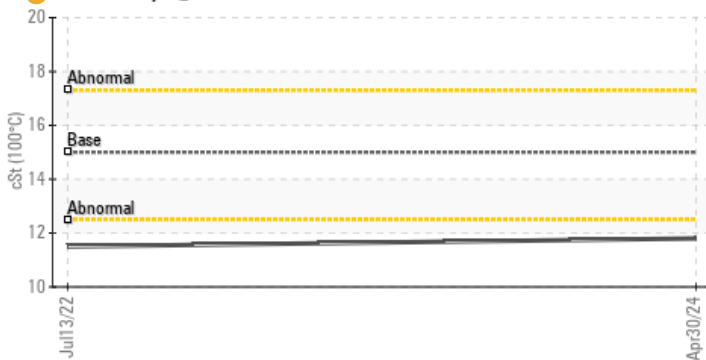
Copper (ppm)



Silicon (ppm)



● Viscosity @ 100°C



Base Number

