



CONSTRUCTION EQUIPMENT

74854 LAKE CONWAY TAKEUCHI TB230R 130008591 - DIESEL ENGINE



Sample No: VCP445668
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: 74854 LAKE CONWAY



SAMPLE INFORMATION

Sample Number	VCP445668	VCP368647	---	---
Sample Date	19 Feb 2024	21 Oct 2022	---	---
Machine Hours	1006	349	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ATTENTION	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 14.1	▲ 10.3	---	---
Base Number (BN)	mg KOH/g	█ 7.4	█ 14.0	---	---
Oxidation (PA)	%	59	41	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.7	█ 0.4	---	---
Nitration (PA)	%	75	72	---	---
Sulfation (PA)	%	57	50	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	█ 0.3	---	---
Silicon	ppm	█ 6	█ 59	---	---
Sodium	ppm	█ 4	█ 16	---	---
Potassium	ppm	█ 0	█ <1	---	---



WEAR METALS

Iron	ppm	█ 38	█ 72	---	---
Copper	ppm	█ 4	█ 15	---	---
Lead	ppm	█ <1	█ 4	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 2	█ 3	---	---
Chromium	ppm	█ <1	█ 2	---	---
Molybdenum	ppm	█ 12	█ 105	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	█ 0	<1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	2	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	█ 2219	█ 4137	---	---
Magnesium	ppm	█ 89	█ 14	---	---
Zinc	ppm	█ 977	█ 1373	---	---
Phosphorus	ppm	█ 846	█ 1046	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 10	█ 33	---	---

Depot: VOLVO0093
Unique No: 10896440
Signed: Wes Davis
Report Date: 25 Feb 2024

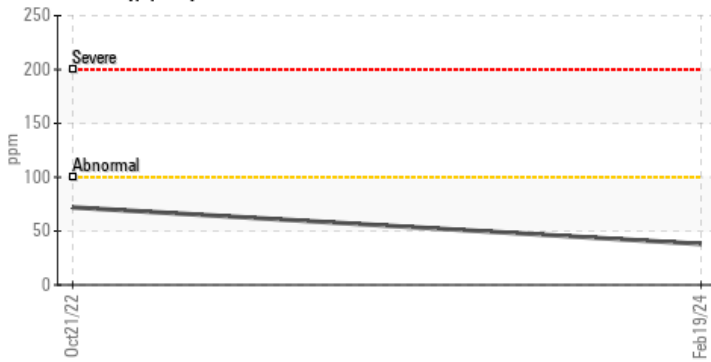


CONSTRUCTION EQUIPMENT

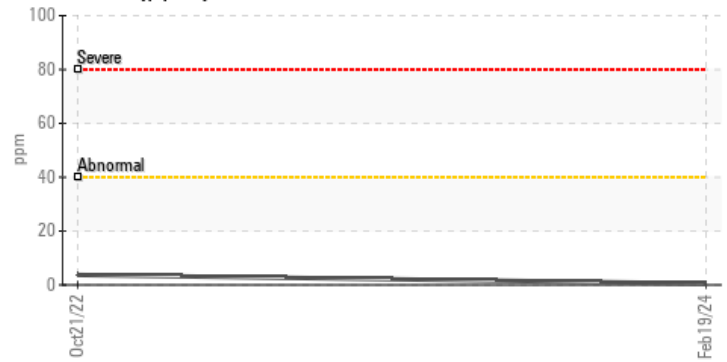


GRAPHS

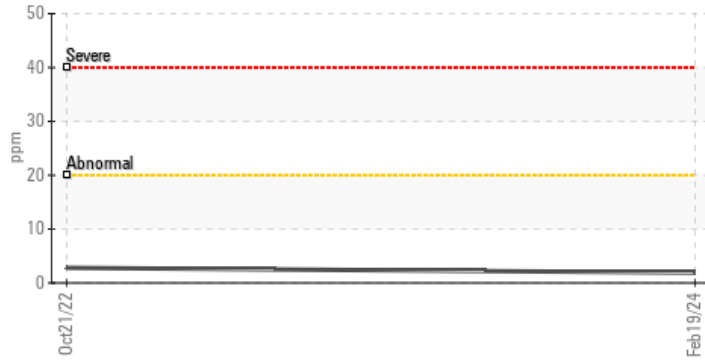
Iron (ppm)



Lead (ppm)



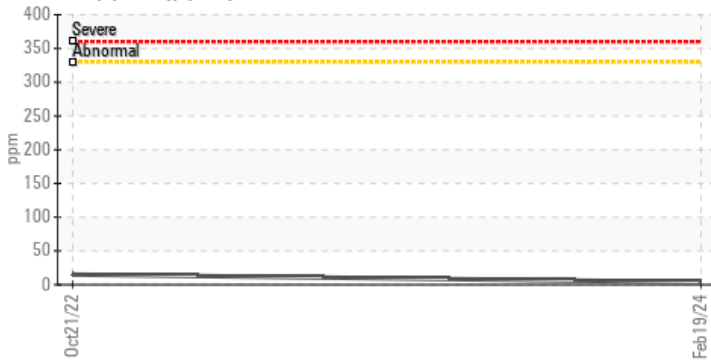
Aluminum (ppm)



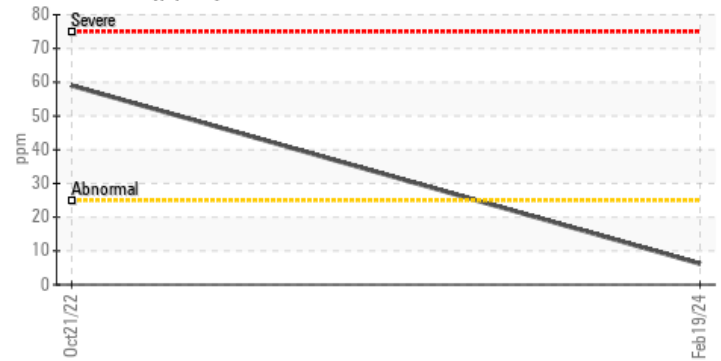
Chromium (ppm)



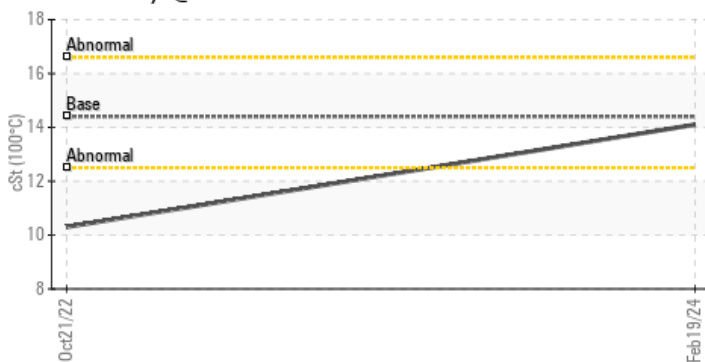
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

