



CONSTRUCTION EQUIPMENT

674850 LAKE CONWAY TAKEUCHI TL8 408004880 - DIESEL ENGINE



Sample No: VCP443277
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 674850 LAKE CONWAY



SAMPLE INFORMATION

Sample Number	VCP443277	VCP398538	---	---
Sample Date	19 Feb 2024	03 Feb 2023	---	---
Machine Hours	380	52	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ATTENTION	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.9	▲ 11.1	---	---
Base Number (BN)	mg KOH/g	█ 7.5	█ 8.1	---	---
Oxidation (PA)	%	87	36	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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 %	%	█ 0.3	█ 0.1	---	---
Nitration (PA)	%	87	47	---	---
Sulfation (PA)	%	63	42	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	█ 0.8	---	---
Silicon	ppm	█ 5	█ 14	---	---
Sodium	ppm	█ 4	█ 8	---	---
Potassium	ppm	█ 0	█ 2	---	---



WEAR METALS

Iron	ppm	█ 18	█ 7	---	---
Copper	ppm	█ 6	█ 18	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 3	█ 2	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 47	█ 3	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 1	█ 2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 1564	█ 2454	---	---
Magnesium	ppm	█ 616	11	---	---
Zinc	ppm	█ 1048	█ 978	---	---
Phosphorus	ppm	█ 941	█ 826	---	---
Barium	ppm	█ <1	█ 2	---	---
Boron	ppm	█ 15	█ <1	---	---

Depot: VOLVO0096
Unique No: 10896448
Signed: Wes Davis
Report Date: 25 Feb 2024



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GRAPHS

