



CONSTRUCTION EQUIPMENT

X48793 TADANO GTC-700 600-130 - DIESEL ENGINE



Sample No: VCP442871
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: X48793



SAMPLE INFORMATION

Sample Number	VCP442871	VCP407882	---	---
Sample Date	01 Apr 2024	05 Jun 2023	---	---
Machine Hours	2179	1880	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	MARGINAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.3	█ 12.0	---	---
Base Number (BN)	mg KOH/g	█ 9.9	█ 7.5	---	---
Oxidation (PA)	%	87	98	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected 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 %	%	█ 0.1	█ 0.2	---	---
Nitration (PA)	%	63	91	---	---
Sulfation (PA)	%	62	68	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	█ 1.1	▲ 3.1	---	---
Silicon	ppm	█ 11	█ 15	---	---
Sodium	ppm	█ 2	█ 3	---	---
Potassium	ppm	█ 5	█ 4	---	---



WEAR METALS

Iron	ppm	█ 18	█ 69	---	---
Copper	ppm	█ 3	█ 11	---	---
Lead	ppm	█ <1	█ 0	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 4	█ 5	---	---
Chromium	ppm	█ <1	█ 3	---	---
Molybdenum	ppm	█ 38	█ 37	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	0	█ <1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ 2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 1605	█ 1729	---	---
Magnesium	ppm	█ 484	█ 445	---	---
Zinc	ppm	█ 1110	█ 1072	---	---
Phosphorus	ppm	█ 950	█ 788	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 46	█ 26	---	---

Depot: VOLVO6244
Unique No: 10964416
Signed: Wes Davis
Report Date: 09 Apr 2024



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GRAPHS

