



CONSTRUCTION EQUIPMENT

X48509 TADANO GR800XL RA 1087 - DIESEL ENGINE



Sample No: VCP442604
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: X48509



SAMPLE INFORMATION

Sample Number	VCP442604	VCP415871	---	---
Sample Date	08 Feb 2024	30 Aug 2023	---	---
Machine Hours	1906	939	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	MARGINAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.2	█ 12.7	---	---
Base Number (BN)	mg KOH/g	█ 9.3	█ 10.0	---	---
Oxidation (PA)	%	85	83	---	---

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	71	---	---
Sulfation (PA)	%	62	62	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	▲ 3.0	<1.0	---	---
Silicon	ppm	█ 8	█ 20	---	---
Sodium	ppm	█ 2	█ 4	---	---
Potassium	ppm	█ <1	█ 2	---	---



WEAR METALS

Iron	ppm	█ 12	█ 17	---	---
Copper	ppm	█ 7	█ 7	---	---
Lead	ppm	█ <1	█ 0	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 2	█ 2	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 42	█ 43	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ 1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	█ 1768	█ 1841	---	---
Magnesium	ppm	█ 489	█ 530	---	---
Zinc	ppm	█ 1122	█ 1188	---	---
Phosphorus	ppm	█ 957	█ 960	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 47	█ 63	---	---

Depot: VOLVO6244
Unique No: 10874379
Signed: Wes Davis
Report Date: 14 Feb 2024



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GRAPHS

