



CONSTRUCTION EQUIPMENT

X47504 TADANO GR1000 RA1181 - DIESEL ENGINE



Sample No: VCP432555
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: X47504



SAMPLE INFORMATION

Sample Number	VCP432555	VCP378227	---	---
Sample Date	22 Aug 2023	24 Feb 2023	---	---
Machine Hours	1847	989	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.6	█ 12.9	---	---
Base Number (BN)	mg KOH/g	█ 8.4	█ 6.7	---	---
Oxidation (PA)	%	82	72	---	---

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

Soot %	%	█ 0.7	█ 0.5	---	---
Nitration (PA)	%	82	88	---	---
Sulfation (PA)	%	61	60	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 17	█ 51	---	---
Sodium	ppm	█ 5	█ 4	---	---
Potassium	ppm	█ 0	█ 5	---	---



WEAR METALS

Iron	ppm	█ 58	█ 54	---	---
Copper	ppm	█ 8	█ 33	---	---
Lead	ppm	█ <1	█ 0	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 2	█ 5	---	---
Chromium	ppm	█ <1	█ 1	---	---
Molybdenum	ppm	█ 45	█ 63	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	█ <1	█ <1	---	---
Silver	ppm	█ 0	█ <1	---	---
Manganese	ppm	█ 2	█ 7	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	█ 1770	█ 1785	---	---
Magnesium	ppm	█ 510	█ 357	---	---
Zinc	ppm	█ 1160	█ 1215	---	---
Phosphorus	ppm	█ 955	█ 980	---	---
Barium	ppm	█ 0	█ 2	---	---
Boron	ppm	█ 37	█ 73	---	---

Depot: VOLVO6244
Unique No: 10621111
Signed: Wes Davis
Report Date: 28 Aug 2023



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GRAPHS

