



CONSTRUCTION EQUIPMENT

X5873 TADANO GR1000XL-4 RA1113 - DIESEL ENGINE



Sample No: VCP405815
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: X5873



SAMPLE INFORMATION

Sample Number	VCP405815	VCP400902	---	---
Sample Date	24 Oct 2023	03 Jul 2023	---	---
Machine Hours	2249	1523	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.6	█ 12.6	---	---
Base Number (BN)	mg KOH/g	█ 9.3	█ 10.1	---	---
Oxidation (PA)	%	90	86	---	---

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 %	%	█ 0.6	█ 0.4	---	---
Nitration (PA)	%	78	81	---	---
Sulfation (PA)	%	64	64	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 6	█ 10	---	---
Sodium	ppm	█ 5	█ 4	---	---
Potassium	ppm	█ 2	█ <1	---	---



WEAR METALS

Iron	ppm	█ 14	█ 15	---	---
Copper	ppm	█ <1	█ 5	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ 2	█ <1	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 37	█ 47	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	█ 0	█ 0	---	---



ADDITIVES

Calcium	ppm	█ 1491	█ 1732	---	---
Magnesium	ppm	█ 473	█ 496	---	---
Zinc	ppm	█ 1028	█ 1099	---	---
Phosphorus	ppm	█ 868	█ 898	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 33	█ 55	---	---

Depot: SCOSAI
Unique No: 10714101
Signed: Wes Davis
Report Date: 28 Oct 2023



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GRAPHS

