



CONSTRUCTION EQUIPMENT

X58122 TADANO GR1600XL-3 FE5331 - DIESEL ENGINE



Sample No: VCP407319
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: X58122



SAMPLE INFORMATION

Sample Number	VCP407319	VCE59216	---	---
Sample Date	03 Jul 2023	15 Mar 2022	---	---
Machine Hours	2628	1227	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	13.0	13.7	---	---
Base Number (BN)	mg KOH/g	9.1	5.8	---	---
Oxidation (PA)	%	94	89	---	---

CONTAMINATION

Soot %	%	0.2	0.2	---	---
Nitration (PA)	%	92	97	---	---
Sulfation (PA)	%	63	68	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	10	46	---	---
Sodium	ppm	6	3	---	---
Potassium	ppm	2	11	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.
 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.

WEAR METALS

Iron	ppm	25	43	---	---
Copper	ppm	4	121	---	---
Lead	ppm	0	2	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	12	8	---	---
Chromium	ppm	2	1	---	---
Molybdenum	ppm	48	56	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	5	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	1800	1802	---	---
Magnesium	ppm	530	343	---	---
Zinc	ppm	1125	1116	---	---
Phosphorus	ppm	925	908	---	---
Barium	ppm	0	2	---	---
Boron	ppm	29	43	---	---

Depot: SCOSAI
Unique No: 10547685
Signed: Wes Davis
Report Date: 07 Jul 2023



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GRAPHS

