



CONSTRUCTION EQUIPMENT

SWA401510 RENTAL EQU TADANO GR350XL 562450 - DIESEL ENGINE



Sample No: VCP440538
Oil Type: DIESEL ENGINE OIL SAE 5W40
Job No: SWA401510 RENTAL EQU



SAMPLE INFORMATION

Sample Number	VCP440538	---	---	---
Sample Date	17 Nov 2023	---	---	---
Machine Hours	1147	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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5000 INDUSTRIAL HWY
GARY, IN
US 46406
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F:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	---	---	---
Base Number (BN)	mg KOH/g	█ 5.7	---	---	---
Oxidation (PA)	%	82	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	85	---	---	---
Sulfation (PA)	%	63	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	▲ 44	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 2	---	---	---

WEAR METALS

Iron	ppm	█ 39	---	---	---
Copper	ppm	█ 188	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 8	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 59	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 5	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1783	---	---	---
Magnesium	ppm	█ 381	---	---	---
Zinc	ppm	█ 1202	---	---	---
Phosphorus	ppm	█ 860	---	---	---
Barium	ppm	█ 8	---	---	---
Boron	ppm	█ 55	---	---	---

Depot: VOLVO8885
Unique No: 10762485
Signed: Don Baldrige
Report Date: 29 Nov 2023



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GRAPHS

