



CONSTRUCTION EQUIPMENT

SPM686826 CATERPILLAR 345B AGS02335 - DIESEL ENGINE



Sample No: VCP379253
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM686826



SAMPLE INFORMATION

Sample Number	VCP379253	---	---	---
Sample Date	15 Mar 2024	---	---	---
Machine Hours	5476	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

SIMS METAL MANAGEMENT

2500 S. PAULINA
CHICAGO, IL
US 60608
Contact: RYAN WISE
ryan.wise@simsmm.com
T:
F:



OIL CONDITION

Visc @ 100°C	cSt	█ 13.9	---	---	---
Base Number (BN)	mg KOH/g	█ 8.1	---	---	---
Oxidation (PA)	%	85	---	---	---

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

Water	%	NEG	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	94	---	---	---
Sulfation (PA)	%	64	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 12	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 5	---	---	---



WEAR METALS

Iron	ppm	█ 22	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 8	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	█ 6	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 38	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 13	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1712	---	---	---
Magnesium	ppm	█ 709	---	---	---
Zinc	ppm	█ 1033	---	---	---
Phosphorus	ppm	█ 912	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 67	---	---	---

Depot: SIMCHIIL
Unique No: 10941000
Signed: Wes Davis
Report Date: 26 Mar 2024



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GRAPHS

