



CONSTRUCTION EQUIPMENT

CUMMINS NOT GIVEN VCP416314 (S/N NO OTHER INFO PROVIDED) - DIESEL ENGINE



Sample No: VCP416314

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No:



SAMPLE INFORMATION

Sample Number	VCP416314	---	---	---
Sample Date	01 May 2024	---	---	---
Machine Hours	6300	---	---	---
Oil Hours	300	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

ALTA EQUIPMENT COMPANY - METRO WEST
 56195 PONTIAC TRAIL
 NEW HUDSON, MI
 US 48165
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OIL CONDITION

Visc @ 100°C	cSt	● 9.6	---	---	---
Base Number (BN)	mg KOH/g	■ 4.8	---	---	---
Oxidation (PA)	%	47	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. (engine is overfilling).All component wear rates are normal. Light fuel dilution occurring. The oil viscosity is lower than normal. Additive levels indicate possible transfer of a lighter fluid.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	50	---	---	---
Sulfation (PA)	%	45	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 1.2	---	---	---
Silicon	ppm	■ 2	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 1	---	---	---



WEAR METALS

Iron	ppm	■ 17	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ 32	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	● 610	---	---	---
Magnesium	ppm	■ 505	---	---	---
Zinc	ppm	● 798	---	---	---
Phosphorus	ppm	● 676	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

Depot: VOLVO2990
 Unique No: 11008806
 Signed: Don Baldrige
 Report Date: 08 May 2024



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GRAPHS

