

OIL ANALYSIS REPORT

VOLVO PENTA

CUMMINS 8.3 - STARBOARD DIESEL ENGINE

Sample No: VPA058656

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	VPA058656	---	---	---
Sample Date	23 Apr 2024	---	---	---
Machine Hours	1263	---	---	---
Oil Hours	10	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

BILL VANDIVER
490 LOCKSLEY DR
PANAMA CITY BEACH, FL
US 32407
Contact: BILL VANDIVER

OIL CONDITION

Visc @ 100°C	cSt	█ 14.1	---	---	---
Base Number (BN)	mg KOH/g	█ 8.2	---	---	---
Oxidation (PA)	%	71	---	---	---

T: (850)625-8004
F:

Diagnosis

No corrective action is recommended at this time. 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 %	%	█ 0.5	---	---	---
Nitration (PA)	%	65	---	---	---
Sulfation (PA)	%	65	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ < 1	---	---	---
Potassium	ppm	█ 2	---	---	---

WEAR METALS

Iron	ppm	█ 23	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 117	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

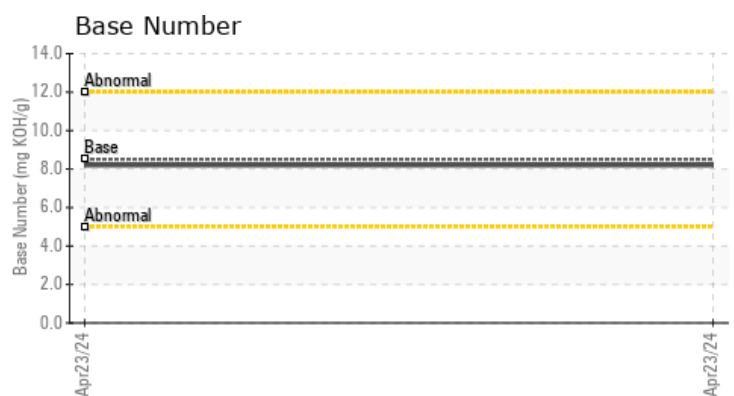
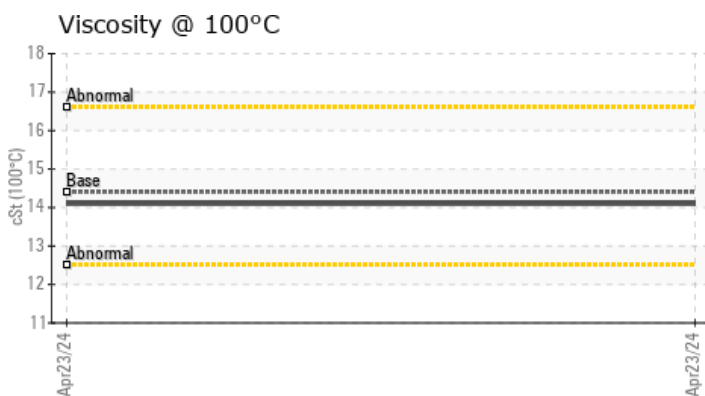
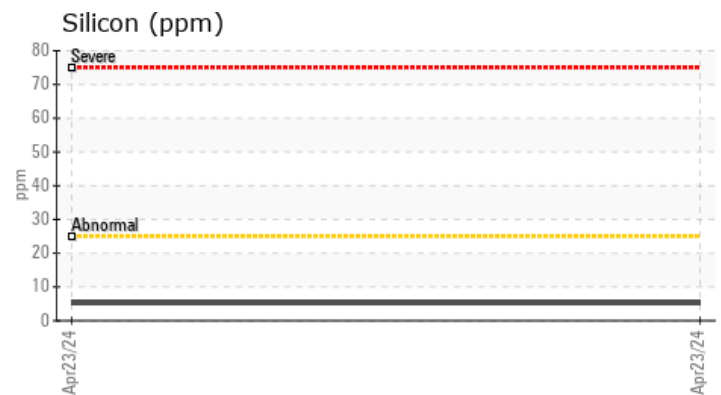
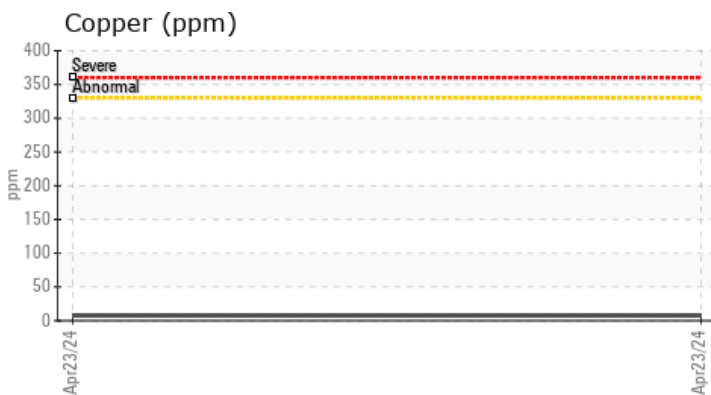
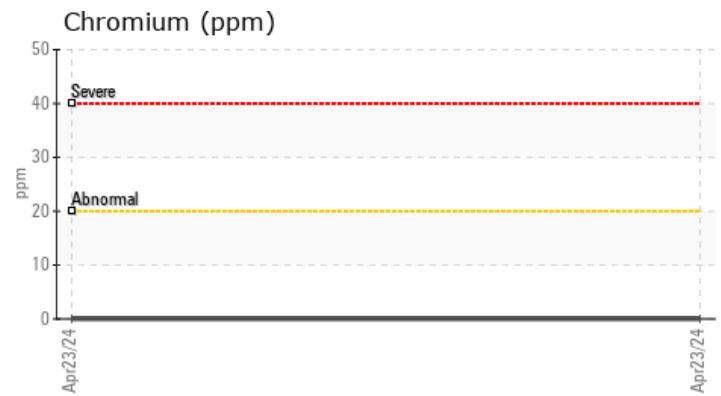
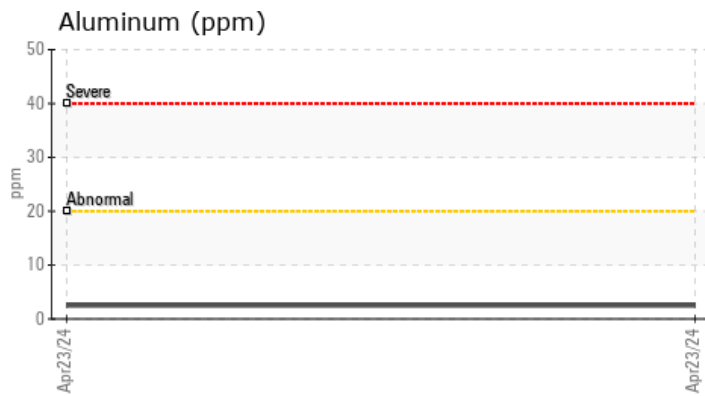
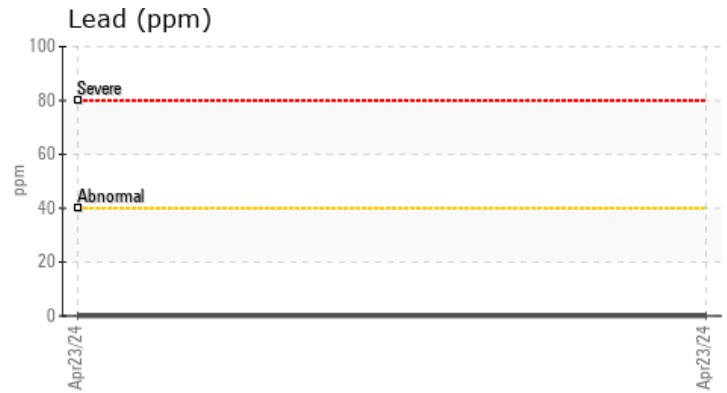
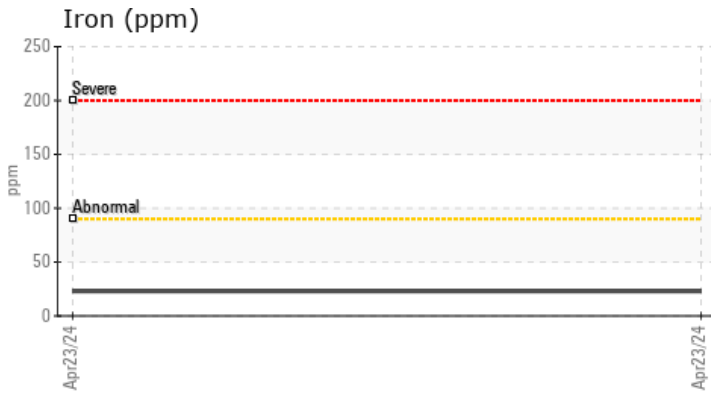
Calcium	ppm	█ 1936	---	---	---
Magnesium	ppm	█ 637	---	---	---
Zinc	ppm	█ 1289	---	---	---
Phosphorus	ppm	█ 1036	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 360	---	---	---

Depot: VPBILPAN
Unique No: 10994094
Signed: Sean Felton
Report Date: 25 Apr 2024

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS



OIL ANALYSIS REPORT

VOLVO PENTA

CUMMINS 8.3 - PORT DIESEL ENGINE

Sample No: VPA058658
Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	VPA058658	---	---	---
Sample Date	23 Apr 2024	---	---	---
Machine Hours	1269	---	---	---
Oil Hours	10	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

BILL VANDIVER
490 LOCKSLEY DR
PANAMA CITY BEACH, FL
US 32407
Contact: BILL VANDIVER

OIL CONDITION

Visc @ 100°C	cSt	█ 13.9	---	---	---
Base Number (BN)	mg KOH/g	█ 8.6	---	---	---
Oxidation (PA)	%	67	---	---	---

T: (850)625-8004
F:

Diagnosis

No corrective action is recommended at this time. 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 %	%	█ 0.9	---	---	---
Nitration (PA)	%	61	---	---	---
Sulfation (PA)	%	64	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---

WEAR METALS

Iron	ppm	█ 43	---	---	---
Copper	ppm	█ 15	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 86	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1737	---	---	---
Magnesium	ppm	█ 430	---	---	---
Zinc	ppm	█ 1414	---	---	---
Phosphorus	ppm	█ 1129	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 390	---	---	---

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