

OIL ANALYSIS REPORT

VOLVO PENTA

DARTH CASTAN 7716113 VOLVO PENTA A681911 - CENTER DIESEL ENGINE

Sample No: VPA048368

Oil Type: CHEVRON DELO 400 SDE SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA048368	---	---	---
Sample Date	22 Aug 2023	---	---	---
Machine Hours	916	---	---	---
Oil Hours	181	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

Pacific Power Group - VP981534

7215 S 228th St

Kent, WA

US 98032

Contact: PAT RYAN

pryan@pacificpowergroup.com

T: (253)520-5163

F:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.8	---	---	---
Base Number (BN)	mg KOH/g	█ 8.5	---	---	---
Oxidation (PA)	%	53	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. The condition of the oil is acceptable for the time in service.

CONTAMINATION

Soot %	%	█ 0.7	---	---	---
Nitration (PA)	%	71	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 6	---	---	---

WEAR METALS

Iron	ppm	█ 26	---	---	---
Copper	ppm	█ 11	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 13	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ < 1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	< 1	---	---	---

ADDITIVES

Calcium	ppm	█ 1376	---	---	---
Magnesium	ppm	█ 884	---	---	---
Zinc	ppm	█ 998	---	---	---
Phosphorus	ppm	█ 827	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 74	---	---	---

Depot: VP99031103

Unique No: 10631055

Signed: Doug Bogart

Report Date: 05 Sep 2023

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

