

OIL ANALYSIS REPORT

VOLVO PENTA

TOM MOSS FORD D2205/47KB - DIESEL ENGINE

Sample No: VPA059700

Oil Type: ROTELLA

SAMPLE INFORMATION

Sample Number	VPA059700	VPA028967	VPA027453	---
Sample Date	18 Oct 2023	11 Feb 2021	03 Oct 2019	---
Machine Hours	3500	3165	3156	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---

Walstrom Marine - 767948

501 Bay Street
HARBOR SPRINGS, MI
US 49740

Contact: Dana Chapman
dchapman@walstrom.com

T: (231)627-7105

F:

OIL CONDITION

Visc @ 100°C	cSt	█ 14.22	█ 14.7	█ 12.9	---
Base Number (BN)	mg KOH/g	█ 9.0	---	---	---
Oxidation (PA)	%	█ 69	█ 67	█ 33	---

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 acceptable for the time in service.

CONTAMINATION

Soot %	%	█ 0	█ 0.1	█ 0.1	---
Nitration (PA)	%	█ 47	█ 46	█ 40	---
Sulfation (PA)	%	█ 58	█ 59	█ 41	---
Glycol	%	█ NEG	█ NEG	█ NEG	---
Fuel	%	█ <1.0	█ <1.0	█ <1.0	---
Silicon	ppm	█ 7	█ <1	█ 4	---
Sodium	ppm	█ <1	█ 4	█ 3	---
Potassium	ppm	█ 8	█ 7	█ 0	---

WEAR METALS

Iron	ppm	█ 30	█ 8	█ 24	---
Copper	ppm	█ 3	█ 2	█ 4	---
Lead	ppm	█ 0	█ 0	█ 1	---
Tin	ppm	█ 0	█ <1	█ 0	---
Aluminum	ppm	█ 1	█ <1	█ 3	---
Chromium	ppm	█ 0	█ <1	█ <1	---
Molybdenum	ppm	█ 0	█ 6	█ 74	---
Nickel	ppm	█ <1	█ <1	█ <1	---
Titanium	ppm	█ 0	█ 0	█ <1	---
Silver	ppm	█ <1	█ <1	█ 0	---
Manganese	ppm	█ <1	█ <1	█ <1	---
Vanadium	ppm	█ 0	█ 0	█ 0	---

ADDITIVES

Calcium	ppm	█ 2178	█ 2143	█ 2279	---
Magnesium	ppm	█ 13	█ 30	█ 160	---
Zinc	ppm	█ 1304	█ 1047	█ 1051	---
Phosphorus	ppm	█ 1099	█ 981	█ 912	---
Barium	ppm	█ 0	█ 0	█ 0	---
Boron	ppm	█ 204	█ 190	█ 39	---

Depot: VP154879

Unique No: 10701296

Signed: Doug Bogart

Report Date: 19 Oct 2023

OIL ANALYSIS REPORT



GRAPHS

