

OIL ANALYSIS REPORT



WILL TOME VOLVO PENTA 2203113548 - DIESEL ENGINE

Sample No: VPA055399
Oil Type: MOBIL DELVAC 1300 SUPER15W40

SAMPLE INFORMATION

Sample Number	VPA055399	VPA020383	---	---
Sample Date	08 Jul 2023	19 Jun 2022	---	---
Machine Hours	636	539	---	---
Oil Hours	100	95	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

WESTERN BRANCH DIESEL
 6881 BULLDOG DR N
 CHARLESTON, SC
 US 29406
 Contact: MICHAEL JORDAN
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 T:
 F:

OIL CONDITION

Visc @ 100°C	cSt	█ 12.6	█ 13.1	---	---
Base Number (BN)	mg KOH/g	█ 10.1	█ 10.9	---	---
Oxidation (PA)	%	83	87	---	---

CONTAMINATION

Soot %	%	█ 0.2	█ 0.1	---	---
Nitration (PA)	%	62	63	---	---
Sulfation (PA)	%	60	63	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 12	█ 10	---	---
Sodium	ppm	█ 3	█ 2	---	---
Potassium	ppm	█ 2	█ 0	---	---

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 acceptable for the time in service.

WEAR METALS

Iron	ppm	█ 10	█ 9	---	---
Copper	ppm	█ 3	█ 3	---	---
Lead	ppm	█ 2	█ 1	---	---
Tin	ppm	█ 1	█ <1	---	---
Aluminum	ppm	█ 4	█ 3	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 45	█ 35	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ 0	█ 6	---	---
Manganese	ppm	█ 1	█ <1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 1792	█ 1617	---	---
Magnesium	ppm	█ 534	389	---	---
Zinc	ppm	█ 974	█ 802	---	---
Phosphorus	ppm	█ 778	█ 645	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 56	█ 73	---	---

Depot: VP1165983
Unique No: 10642986
Signed: Don Baldrige
Report Date: 13 Sep 2023

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VOLVO PENTA

GRAPHS

