



# VOLVO PENTA

## OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**BETTER THAN MOST [MIDI]**  
Machine Id  
**VOLVO PENTA 3200005186**  
Component  
**Center IPS**  
Fluid  
**GEAR OIL SAE 75W90 (3 GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VPA049771	---	---
Sample Date		Client Info		04 Oct 2023	---	---
Machine Age	hrs	Client Info		88	---	---
Oil Age	hrs	Client Info		90	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		13	---	---
Iron	ppm	ASTM D5185m	>200	22	---	---
Chromium	ppm	ASTM D5185m	>10	<1	---	---
Nickel	ppm	ASTM D5185m	>10	<1	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m		2	---	---
Lead	ppm	ASTM D5185m		<1	---	---
Copper	ppm	ASTM D5185m		15	---	---
Tin	ppm	ASTM D5185m		0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

### CONTAMINATION

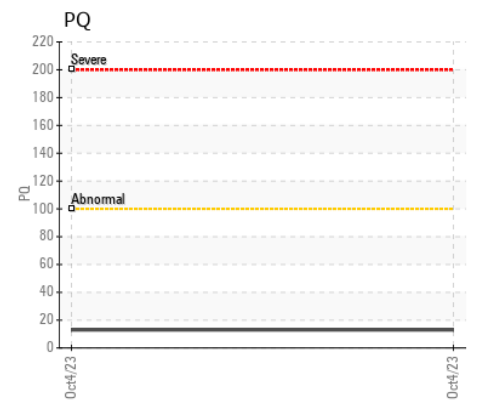
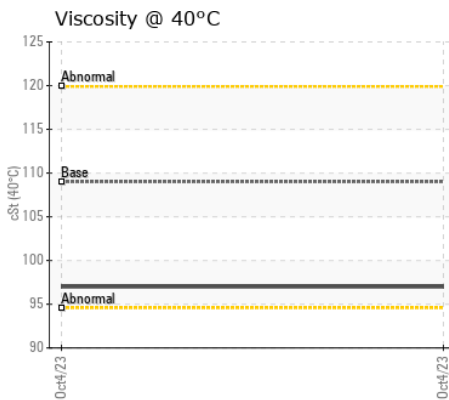
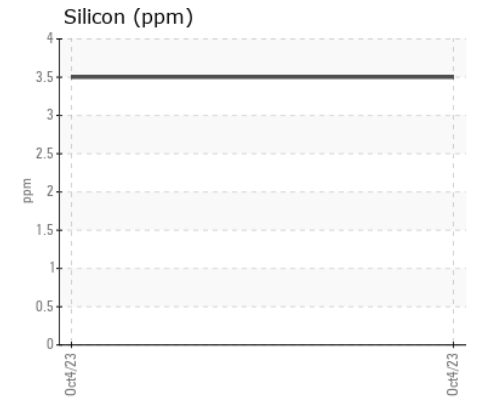
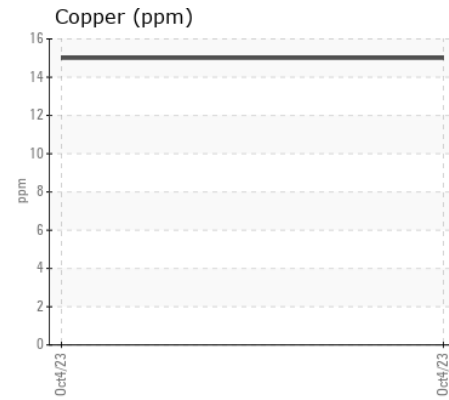
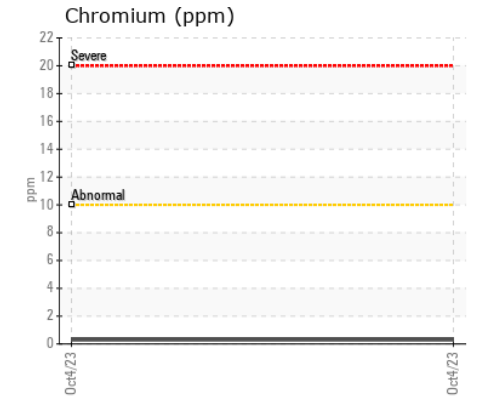
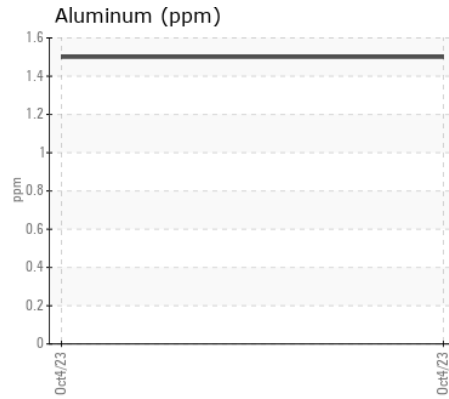
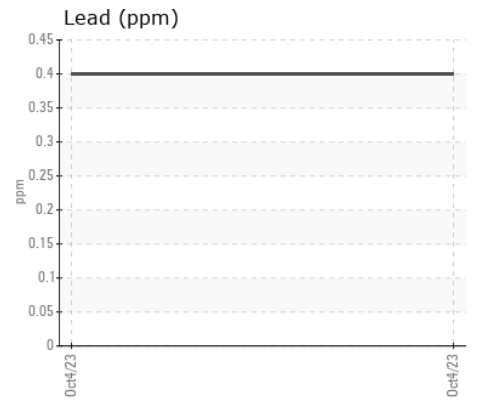
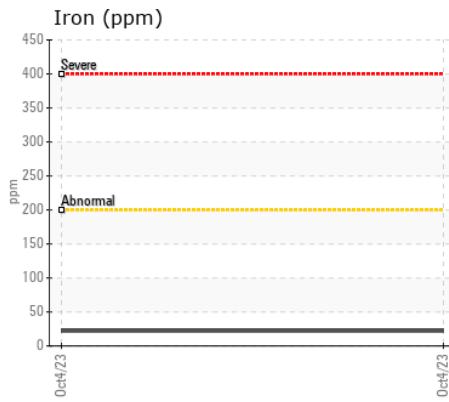
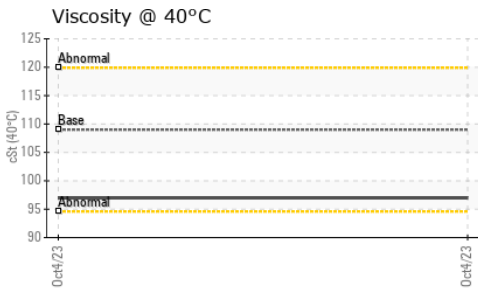
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		4	---	---
Potassium	ppm	ASTM D5185m	>20	10	---	---
Water		WC Method	>0.2	NEG	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---	---

### FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<1	---	---
Boron	ppm	ASTM D5185m	400	655	---	---
Barium	ppm	ASTM D5185m	200	10	---	---
Molybdenum	ppm	ASTM D5185m	12	<1	---	---
Manganese	ppm	ASTM D5185m		3	---	---
Magnesium	ppm	ASTM D5185m	12	952	---	---
Calcium	ppm	ASTM D5185m	150	43	---	---
Phosphorus	ppm	ASTM D5185m	1650	1697	---	---
Zinc	ppm	ASTM D5185m	125	20	---	---
Sulfur	ppm	ASTM D5185m	22500	27137	---	---
Visc @ 40°C	cSt	ASTM D445	109	97.0	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VPA049771 **Received** : 23 Oct 2023  
**Lab Number** : 05987554 **Tested** : 24 Oct 2023  
**Unique Number** : 10710216 **Diagnosed** : 25 Oct 2023 - Sean Felton  
**Test Package** : MOB 1 ( Additional Tests: PQ )

**Marine International Diesels Inc.**  
 3600 HACIENDA BLVD UNIT G  
 DAVIE, FL  
 US 33314  
 Contact: ASHANTI BURKE  
 aburke@midflorida.com  
 T: (954)761-1086  
 F: (954)761-1186

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)