

# EPORT FLUID CONDITION

#### VANQUISH 58 Machine Id VOLVO PENTA 7011474059

## Port Diesel Engine

VOLVO PENTA SAE 15W40 (10 GAL)

## RECOMMENDATION

We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

### WEAR

Area

All component wear rates are normal.

## CONTAMINATION

There is a moderate amount of fuel present in the oil.

#### **FLUID CONDITION**

Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VPA049950	VPA046460	VPA046178
Sample Date		Client Info		02 May 2024	21 Dec 2022	03 Nov 2022
Machine Age	hrs	Client Info		2023	1552	1493
Oil Age	hrs	Client Info		0	0	100
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	Not Change
Filter Changed		Client Info		Changed	N/A	N/A
Sample Status				ABNORMAL	SEVERE	MARGINA
Iron	ppm	ASTM D5185m	>80	9	2	4
Chromium	ppm	ASTM D5185m	>6	<1	0	<1
Nickel	ppm	ASTM D5185m	>2	<1	0	0
Titanium	ppm	ASTM D5185m	>2	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	0	<1
Lead	ppm	ASTM D5185m	>95	<1	0	<1
Copper	ppm	ASTM D5185m	>85	42	6	13
Tin	ppm	ASTM D5185m	>9	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	5	3	4
Potassium	ppm	ASTM D5185m	>20	2	<1	2
Fuel	%	ASTM D3524	>4.0	<b>4.</b> 8	<b>1</b> 70	<b>2</b> .1
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844		0.3	0.1	0.3
Nitration	Abs/cm	*ASTM D7624	>20	8.0	6.1	6.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.1	14.5	20.6
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORMI
Odor	scalar	*Visual	NORML	NORML	NORML	NORMI
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		<1	0	0
Boron	ppm	ASTM D5185m		10	0	1
Barium	ppm	ASTM D5185m		0	0	2
Molybdenum	ppm	ASTM D5185m		58	22	58
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		906	344	881
Calcium	ppm	ASTM D5185m		1056	406	1075
Phosphorus	ppm	ASTM D5185m		920	387	1015
Zinc	ppm	ASTM D5185m		1244	466	1195
Sulfur	ppm	ASTM D5185m		2936	1333	3363
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.0	7.6	14.9
Base Number (BN)	mg KOH/g	ASTM D2896		8.8	6.4	10.7
Babe Hamber (BH)	0 - 0			0.0	<b>.</b>	

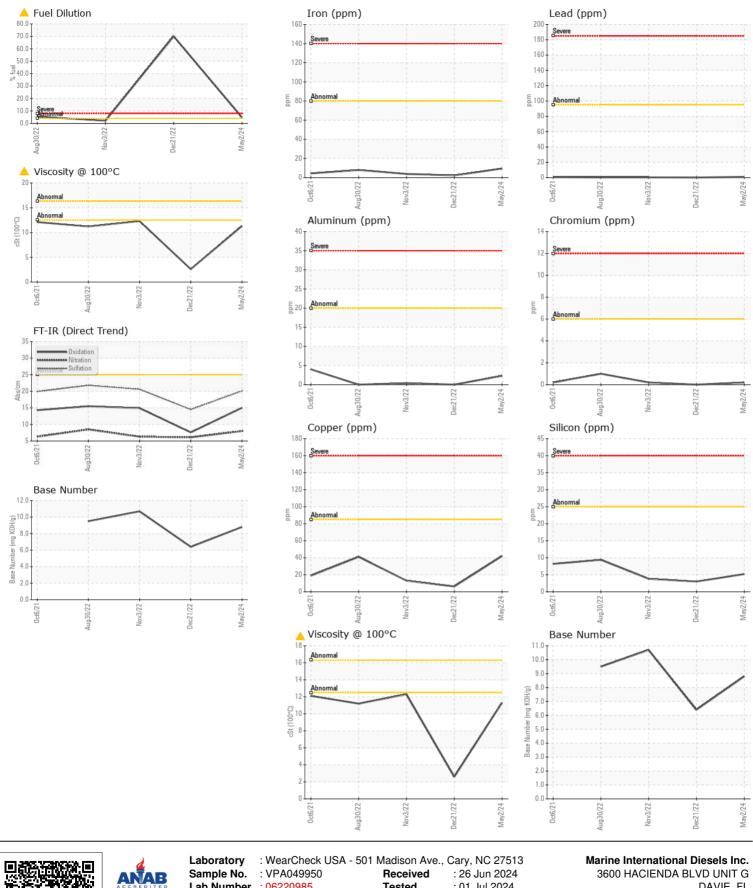
WEAR

CONTAMINATION

NORMAL

ABNORMAL

**ABNORMAL** 



Lab Number : 06220985 Tested : 01 Jul 2024 DAVIE, FL : 01 Jul 2024 - Jonathan Hester US 33314 Unique Number : 11099182 Diagnosed Test Package : MOB 1 (Additional Tests: PercentFuel, TBN) Contact: ASHANTI BURKE Certificate L2367 aburke@midiflorida.com 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. T: (954)761-1086 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (954)761-1186

Contact/Location: ASHANTI BURKE - VP694356