WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

Area

[534236]

## **VOLVO PENTA 51220324607 - INBOARD**

Component

**Starboard Gearbox** 

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VPA036471		
Sample Date		Client Info		08 Feb 2024		
Machine Age	hrs	Client Info		1109		
Oil Age	hrs	Client Info		0		
Filter Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Filter Changed		Client Info		N/A		
Sample Status				NORMAL		
PQ		ASTM D8184		20		
	ppm	ASTM D5185m	>150			
Aluminum			>5	<1		
Lead		ASTM D5185m	>65	0		
Copper				8		
Tin	ppm	ASTM D5185m	>8	0		
Vanadium	ppm	ASTM D5185m		0		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
	ppm			4		
	ppm					
Emulsified Water	scalar	*Visual	>0.2	NEG		
Sodium	ppm	ASTM D5185m		1		
Boron	ppm	ASTM D5185m		81		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		14		
Phosphorus	ppm	ASTM D5185m		172		
		ACTM DE10E		_		
Zinc	ppm	ASTM D5185m		7		
Zinc Sulfur	ppm	ASTM D5185m		1460		
	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status  PQ Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	Sample Number Sample Date Machine Age hrs Oil Age hrs Filter Age hrs Oil Changed Filter Changed Sample Status  PQ Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Yellow Metal scalar Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Odor scalar Emulsified Water scalar Sodium ppm Boron ppm Boron ppm Manganese ppm Magnesium ppm Calcium ppm	Sample Number Sample Date Client Info Machine Age Inrs Client Info Oil Age Inrs Client Info Client Info Oil Age Inrs Client Info Client In	Sample Number Sample Date Client Info Machine Age hrs Client Info Oil Age hrs Client Info Filter Age hrs Client Info Oil Changed Client Info Filter Changed Sample Status  PQ ASTM D8184 Iron Ppm ASTM D5185m Silver Aluminum Ppm ASTM D5185m Silver ASTM D5185m None Vanadium Ppm ASTM D5185m Vone Visual None Silicon Potassium Ppm ASTM D5185m S20 Water WC Method V0.2 Silt Scalar Visual None Sand/Dirt Scalar Visual None Sand/Dirt Scalar Visual None Sand/Dirt Scalar Visual None Sand/Dirt Scalar Appearance Scalar Visual None Sand/Dirt Scalar Appearance Scalar Avisual None Appearance A	Sample Number         Client Info         VPA036471           Sample Date         Client Info         08 Feb 2024           Machine Age         hrs         Client Info         1109           Oil Age         hrs         Client Info         0           Filter Age         hrs         Client Info         N/A           Filter Changed         Client Info         N/A           Sample Status         N/A         N/A           PQ         ASTM D5185m         >150           Sample Status         ASTM D5185m         >10           PQ         ASTM D5185m         >10           Chromium         ppm         ASTM D5185m         >10           Chromium         ppm         ASTM D5185m         >10           Nickel         ppm         ASTM D5185m         >10           O         ASTM D5185m         >5         <1           Aluminum         ppm         ASTM D5185m         >5         <1           Lead         ppm         ASTM D5185m         >6         0           Copper         ppm         ASTM D5185m         >8         0           Vanadium         ppm         ASTM D5185m         >8         0           Valu	Sample Number         Client Info         VPA036471





Report Id: VP705283 [WUSCAR] 06086288 (Generated: 02/23/2024 11:27:59) Rev: 2

Laboratory Sample No.

Lab Number : 06086288

: VPA036471 Unique Number : 10873733

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested** 

Diagnosed Test Package: MOB 1 (Additional Tests: PQ)

: 23 Feb 2024 : 23 Feb 2024 - Doug Bogart

: 12 Feb 2024

Contact: SERVICE MANAGER info@suncoastdmi.com

**SUNCOAST DIESEL MARINE** 

6341 PORTER ROAD, SUITE 6

T: (941)342-0033

SARASOTA, FL

US 34240

F:

\* - 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)