

GENE DORN [GREG E.] Machine Id VOLVO PENTA 3200003533 Starboard IPS

GEAR OIL SAE 75W90 (4 GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

V	V	Ξ	Δ	R
	-	_		

The copper level is abnormal. All other component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

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

Report Id: VP648685 [WUSCAR] 06227869 (Generated: 07/09/2024 16:48:53) Rev: 1

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VPA058563	VPA056257	
Sample Date		Client Info		26 Jun 2024	30 Jun 2023	
Machine Age	hrs	Client Info		168	40	
Oil Age	hrs	Client Info		127	40	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	Changed	
Filter Changed		Client Info		Changed	Changed	
Sample Status				ATTENTION	NORMAL	
					40	
PQ		ASTM D8184	075	23	16	
Iron	ppm	ASTM D5185m	>275	104	20	
Chromium	ppm	ASTM D5185m	>4	0	0	
Nickel	ppm	ASTM D5185m	>4	2	0	
Titanium	ppm	ASTM D5185m	>3	0	0	
Silver	ppm	ASTM D5185m	10	0	0	
Aluminum	ppm	ASTM D5185m	>10	4	<1	
Lead	ppm	ASTM D5185m	>4	0	0	
Copper	ppm	ASTM D5185m	>30	3 0	8	
Tin	ppm	ASTM D5185m	>3	0	0	
Vanadium	ppm	ASTM D5185m		0	0	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>35	2	4	
Potassium	ppm	ASTM D5185m	>20	5	8	
Water		WC Method	>0.2	NEG	NEG	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
Sodium	ppm	ASTM D5185m		10	4	
Boron	ppm	ASTM D5185m	400	250	738	
Barium	ppm	ASTM D5185m	200	0	0	
Molybdenum	ppm	ASTM D5185m	12	0	0	
Manganese	ppm	ASTM D5185m	10	4	3	
Magnesium	ppm	ASTM D5185m	12	84	970	
Calcium	ppm	ASTM D5185m	150	11	20	
Phosphorus	ppm	ASTM D5185m	1650	1438	1607	
Zinc	ppm	ASTM D5185m	125	16	0	
Sulfur	ppm	ASTM D5185m	22500	28866	25056	
Visc @ 40°C	cSt	ASTM D445	109	99.9	102	

WEAR

CONTAMINATION

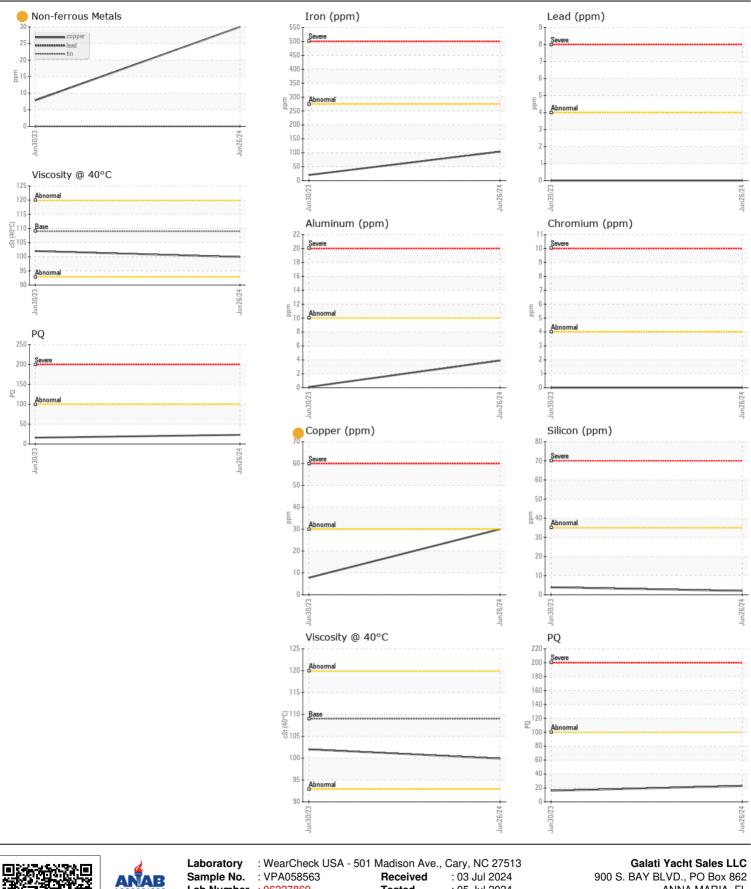
FLUID CONDITION

ATTENTION

NORMAL

NORMAL

Contact/Location: SEAN CARDOW - VP648685



Sample No. Received 900 S. BAY BLVD., PO Box 862 : VPA058563 : 03 Jul 2024 Lab Number : 06227869 Tested ANNA MARIA, FL : 05 Jul 2024 Unique Number : 11111362 : 07 Jul 2024 - Don Baldridge US 34216 Diagnosed Test Package : MOB 1 (Additional Tests: PQ) Contact: SEAN CARDOW Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. SCARDOW@GALATIYACHTS.COM * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: ۱D Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: