

ROGER MACPHERSON [AK502485] VOLVO PENTA 3950007005 Starboard IPS

GEAR OIL SAE 75W90 (6 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

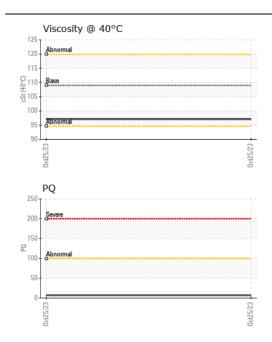
There is no indication of any contamination in the fluid.

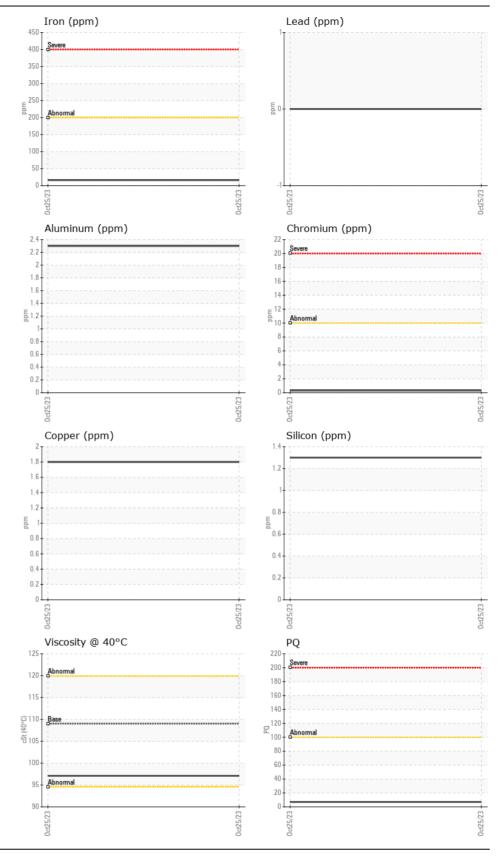
FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VPA059191		
Sample Date		Client Info		25 Oct 2023		
Machine Age	hrs	Client Info		0		
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		
DO						
PQ		ASTM D8184	000	7		
Iron	ppm	ASTM D5185m	>200	16		
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		0		
Copper	ppm	ASTM D5185m		2		
Tin	ppm	ASTM D5185m		<1		
Vanadium	ppm	ASTM D5185m		0		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	2		
Water	1-1-	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		
Sodium	ppm	ASTM D5185m		<1		
Boron	ppm	ASTM D5185m	400	445		
Barium	ppm	ASTM D5185m	200	<1		
Molybdenum	ppm	ASTM D5185m	12	<1		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	12	42		
Calcium	ppm	ASTM D5185m	150	9		
Phosphorus	ppm	ASTM D5185m	1650	1442		
Zinc	ppm	ASTM D5185m	125	0		
Sulfur	ppm	ASTM D5185m	22500	25836		
Visc @ 40°C	cSt	ASTM D445	109	97.1		

Contact/Location: WILLOW YANARELLA - VP794951





Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Endor Marine LLC - Coastal Marine - 152124 Sample No. Received 4300 11th Ave. NW : VPA059191 :01 Nov 2023 Lab Number : 05996006 Tested : 02 Nov 2023 SEATTLE, WA Unique Number : 10724366 : 03 Nov 2023 - Sean Felton US 98107 Diagnosed Test Package : MOB 1 (Additional Tests: PQ) Contact: WILLOW YANARELLA Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. service@coastalmarineengine.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (206)784-3703 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (206)784-8823

Contact/Location: WILLOW YANARELLA - VP794951