

HELSEL [JB] VOLVO PENTA 3194011433 Starboard IPS

GEAR OIL SAE 75W90 (4 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

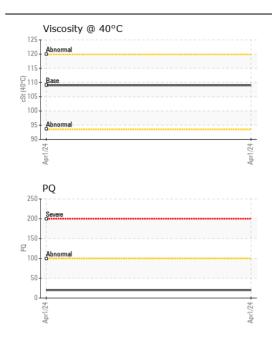
There is no indication of any contamination in the oil.

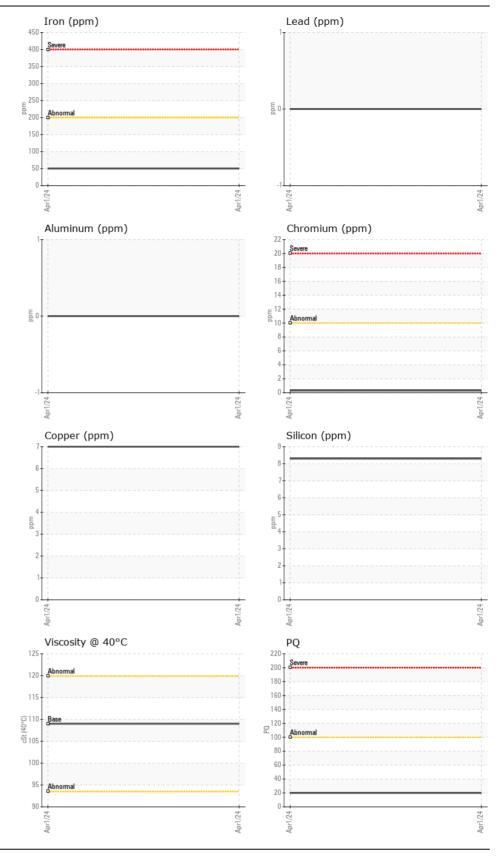
FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Numb	ber	Client Info		VPA021937		
Sample Date)	Client Info		01 Apr 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Filter Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Filter Change	ed	Client Info		Changed		
Sample Status			NORMAL			
DO						
PQ		ASTM D8184	000	20		
Iron	ppm	ASTM D5185m	>200	50		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m		0		
Lead	ppm	ASTM D5185m		0		
Copper	ppm	ASTM D5185m		7		
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		8		
Potassium	ppm	ASTM D5185m	>20	0		
Water		WC Method	>0.2	NEG		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	LIGHT		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Wa	ter scalar	*Visual	>0.2	NEG		
Sodium	ppm	ASTM D5185m		3		
Boron	ppm	ASTM D5185m	400	361		
Barium	ppm	ASTM D5185m	200	1		
Molybdenum		ASTM D5185m	12	<1		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m	12	13		
Calcium	ppm	ASTM D5185m	150	14		
Phosphorus	ppm	ASTM D5185m	1650	1468		
Zinc	ppm	ASTM D5185m	125	5		
Sulfur	ppm	ASTM D5185m	22500	27919		
Visc @ 40°C		ASTM D445	109	109		

Contact/Location: MATT ST. ANGELO - VP153811





Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **Point Judith Marina** Sample No. Received 360 Gooseberry Road : VPA021937 : 22 Apr 2024 Lab Number : 06156285 Tested WAKEFIELD, RI : 23 Apr 2024 Unique Number : 10991708 : 24 Apr 2024 - Sean Felton US 02879 Diagnosed Test Package : MOB 1 (Additional Tests: PQ) Contact: MATT ST. ANGELO Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. service@pjmarina.com;canastasio@wearcheckusa.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (401)789-7189 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (401)783-5350

Contact/Location: MATT ST. ANGELO - VP153811 Page 2 of 2