



VOLVO PENTA

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
VOLVO PENTA 3940025571
 Component
Starboard IPS
 Fluid
GEAR OIL SAE 75W90 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

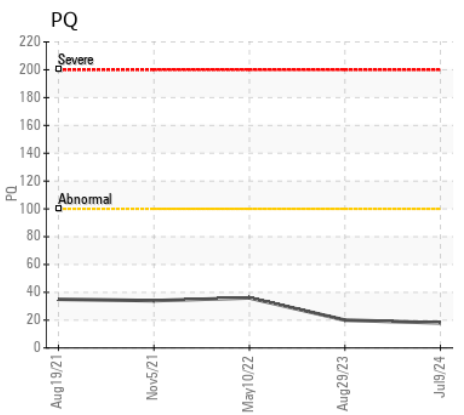
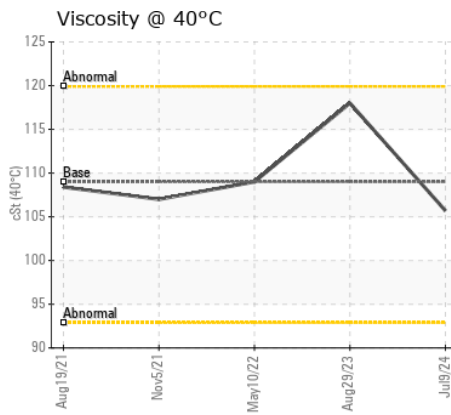
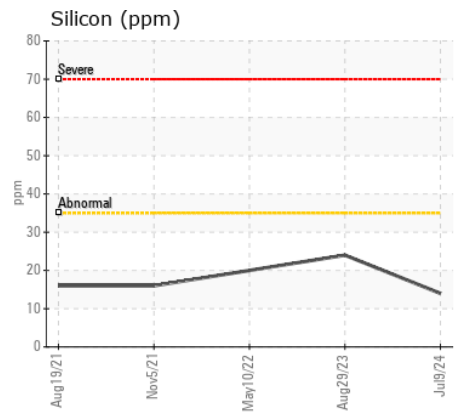
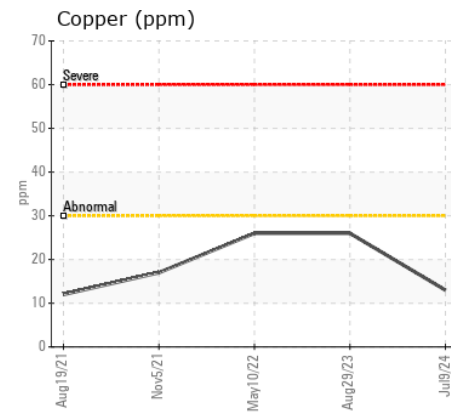
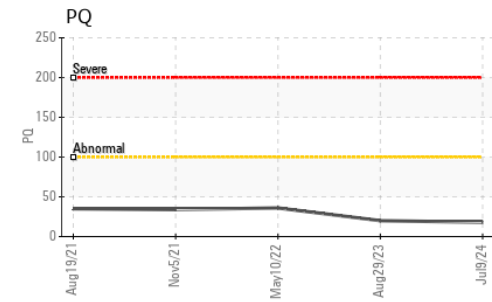
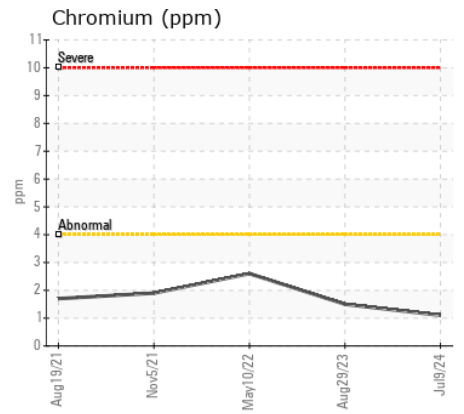
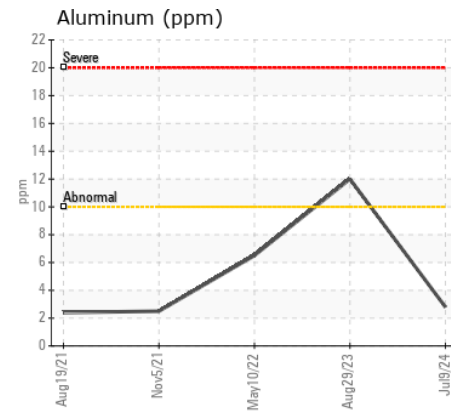
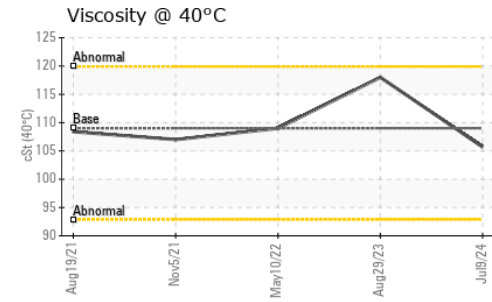
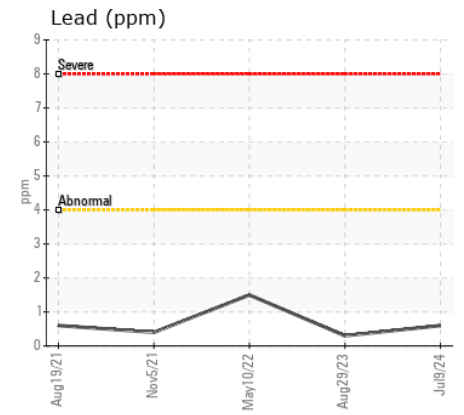
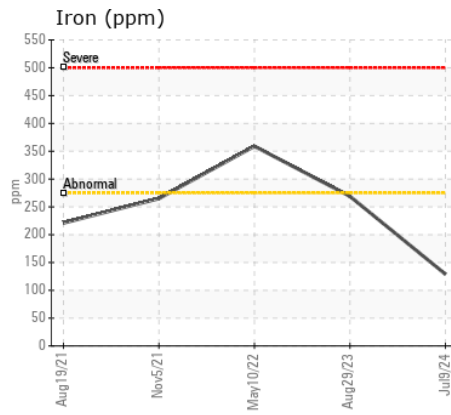
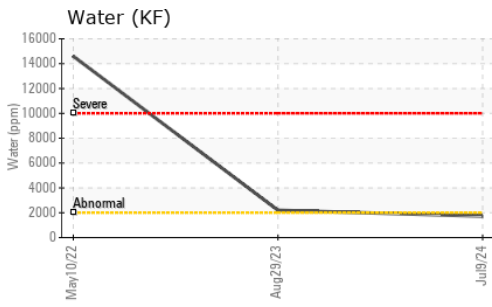
CONTAMINATION

The water content is negligible. No other contaminants were detected 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 Number		Client Info		VPA053137	VPA036550	VPA048221
Sample Date		Client Info		09 Jul 2024	29 Aug 2023	10 May 2022
Machine Age	hrs	Client Info		869	768	582
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	SEVERE
PQ		ASTM D8184		18	20	36
Iron	ppm	ASTM D5185m	>275	129	▲ 269	▲ 359
Chromium	ppm	ASTM D5185m	>4	1	2	3
Nickel	ppm	ASTM D5185m	>4	2	3	6
Titanium	ppm	ASTM D5185m	>3	<1	0	<1
Silver	ppm	ASTM D5185m		<1	0	1
Aluminum	ppm	ASTM D5185m	>10	3	12	6
Lead	ppm	ASTM D5185m	>4	<1	<1	2
Copper	ppm	ASTM D5185m	>30	13	26	26
Tin	ppm	ASTM D5185m	>3	<1	0	1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>35	14	24	20
Potassium	ppm	ASTM D5185m	>20	1	2	8
Water	%	ASTM D6304	>0.2	0.172	▲ 0.220	▲ 1.46
ppm Water	ppm	ASTM D6304	>2000	1720	▲ 2200	▲ 14600
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	● MILKY
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	0.2%	▲ 0.2%	▲ 0.2%
Sodium	ppm	ASTM D5185m		6	25	▲ 170
Boron	ppm	ASTM D5185m	400	305	253	300
Barium	ppm	ASTM D5185m	200	4	17	0
Molybdenum	ppm	ASTM D5185m	12	<1	<1	<1
Manganese	ppm	ASTM D5185m		2	4	6
Magnesium	ppm	ASTM D5185m	12	2	6	50
Calcium	ppm	ASTM D5185m	150	5	10	21
Phosphorus	ppm	ASTM D5185m	1650	1147	1267	1381
Zinc	ppm	ASTM D5185m	125	18	43	18
Sulfur	ppm	ASTM D5185m	22500	21229	24550	21232
Visc @ 40°C	cSt	ASTM D445	109	105.7	118.0	109



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VPA053137 **Received** : 10 Jul 2024
Lab Number : 06232746 **Tested** : 10 Jul 2024
Unique Number : 11116239 **Diagnosed** : 10 Jul 2024 - Doug Bogart
Test Package : MOB 1 (Additional Tests: KF, PQ)

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.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

SUNCOAST DIESEL MARINE
 6341 PORTER ROAD, SUITE 6
 SARASOTA, FL
 US 34240

Contact: SERVICE MANAGER
 info@suncoastdmi.com

T: (941)342-0033

F: