



VOLVO PENTA

OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

MARGINAL
ABNORMAL
NORMAL

Machine Id
VOLVO PENTA 3940025570
Component
Port IPS
Fluid
GEAR OIL SAE 75W90 (--- GAL)

RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. Resample at the next service interval to monitor.

WEAR

Gear wear is indicated.

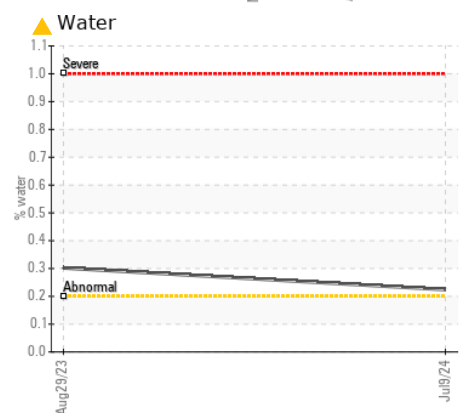
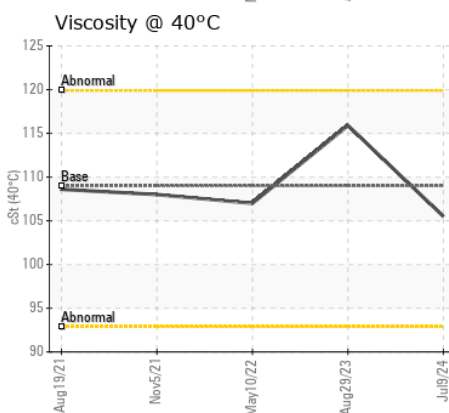
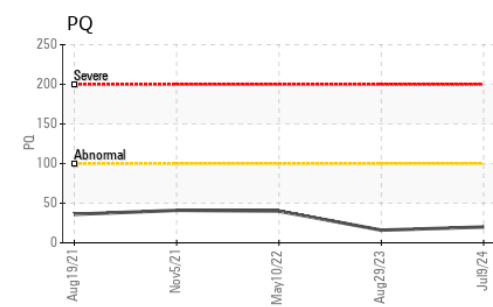
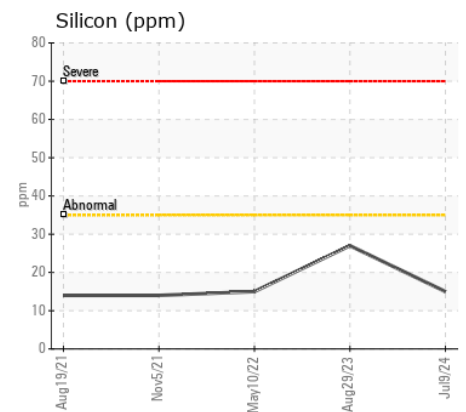
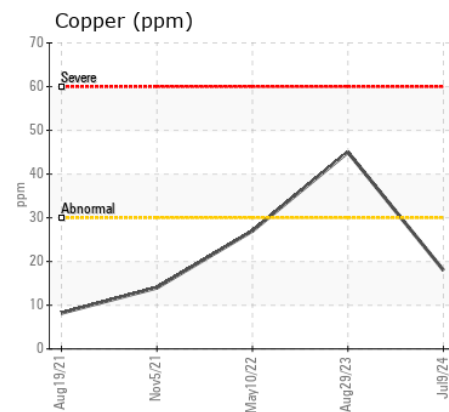
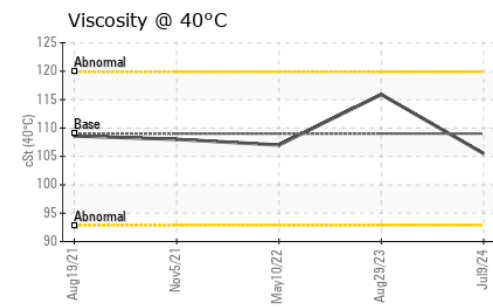
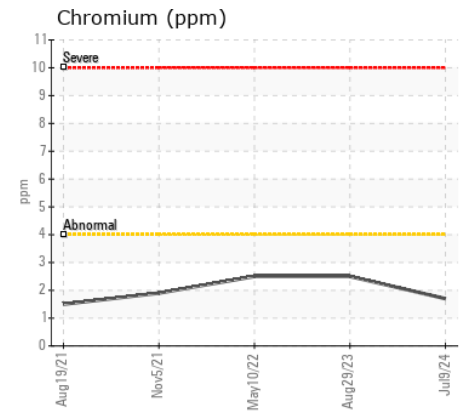
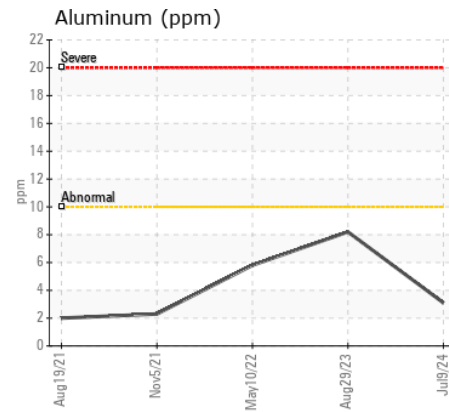
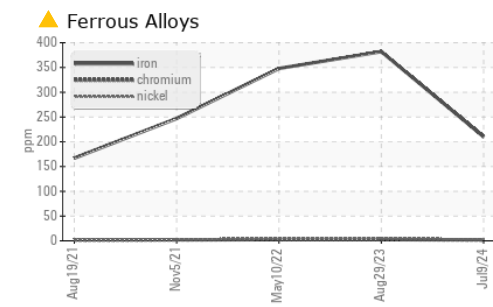
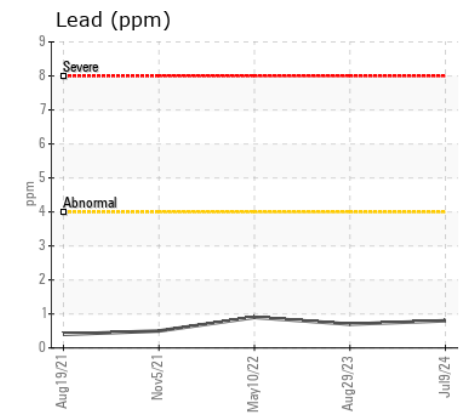
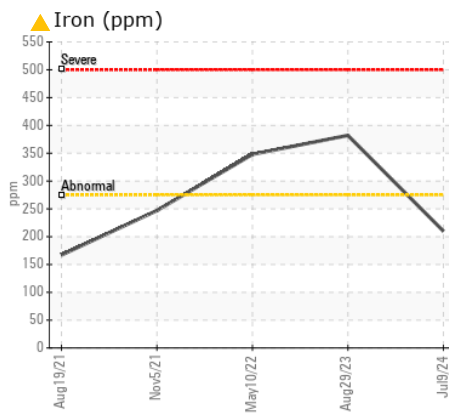
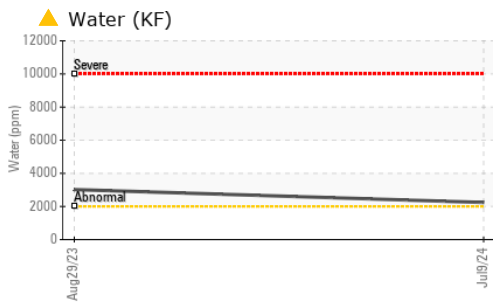
CONTAMINATION

There is a light concentration of water present in the oil.

FLUID CONDITION

The oil is no longer serviceable.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VPA053015	VPA036553	VPA048219
Sample Date		Client Info		09 Jul 2024	29 Aug 2023	10 May 2022
Machine Age	hrs	Client Info		868	768	580
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				ABNORMAL	ABNORMAL	ABNORMAL
PQ		ASTM D8184		20	16	40
Iron	ppm	ASTM D5185m	>275	▲ 210	▲ 382	▲ 348
Chromium	ppm	ASTM D5185m	>4	2	2	2
Nickel	ppm	ASTM D5185m	>4	3	5	5
Titanium	ppm	ASTM D5185m	>3	<1	0	<1
Silver	ppm	ASTM D5185m		<1	3	<1
Aluminum	ppm	ASTM D5185m	>10	3	8	6
Lead	ppm	ASTM D5185m	>4	<1	<1	<1
Copper	ppm	ASTM D5185m	>30	18	45	27
Tin	ppm	ASTM D5185m	>3	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>35	15	27	15
Potassium	ppm	ASTM D5185m	>20	2	4	1
Water	%	ASTM D6304	>0.2	▲ 0.224	▲ 0.302	---
ppm Water	ppm	ASTM D6304	>2000	▲ 2240	▲ 3020	---
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	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	0.2%	▲ 0.2%	NEG
Sodium	ppm	ASTM D5185m		15	76	57
Boron	ppm	ASTM D5185m	400	274	322	266
Barium	ppm	ASTM D5185m	200	1	3	0
Molybdenum	ppm	ASTM D5185m	12	<1	<1	<1
Manganese	ppm	ASTM D5185m		3	6	6
Magnesium	ppm	ASTM D5185m	12	7	10	26
Calcium	ppm	ASTM D5185m	150	29	13	13
Phosphorus	ppm	ASTM D5185m	1650	1168	1518	1342
Zinc	ppm	ASTM D5185m	125	71	60	18
Sulfur	ppm	ASTM D5185m	22500	20771	26546	20304
Visc @ 40°C	cSt	ASTM D445	109	105.5	115.9	107



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VPA053015 **Received** : 10 Jul 2024
Lab Number : 06232745 **Tested** : 10 Jul 2024
Unique Number : 11116238 **Diagnosed** : 10 Jul 2024 - Doug Bogart
Test Package : MOB 1 (Additional Tests: KF, PQ)

SUNCOAST DIESEL MARINE
 6341 PORTER ROAD, SUITE 6
 SARASOTA, FL
 US 34240
 Contact: SERVICE MANAGER
 info@suncoastdmi.com
 T: (941)342-0033
 F:

Certificate L2367
 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)