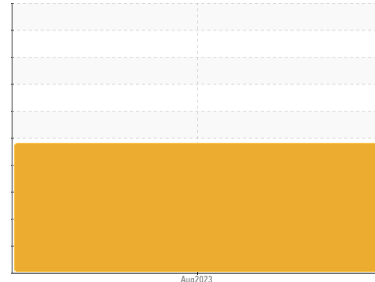




Area
[225089 JMK]
 Machine Id
VOLVO L90H 625422
 Component
Diesel Fuel
 Fluid
NOT GIVEN (--- GAL)



DIAGNOSIS

▲ **Recommendation**

We advise that you check all areas where dirt can enter the system. We recommend you service the filters on this component if applicable. We advise that you inspect for the source(s) of rust.

▲ **Corrosion**

Iron ppm levels are abnormal. Aluminum ppm levels are noted. Moderate concentration of visible metal present rust.

▲ **Contaminants**

Moderate concentration of visible dirt/debris present in the fuel. Elemental levels of silicon (Si) and aluminum (Al) indicate possible alumina-silicate (coarse dirt) ingress.

Fuel Condition

{not applicable}

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			VCP426759	---	---
Sample Date	Client Info			14 Aug 2023	---	---
Machine Age	hrs	Client Info		11125	---	---
Sample Status				ABNORMAL	---	---

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		3.27	---	---

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		0	---	---

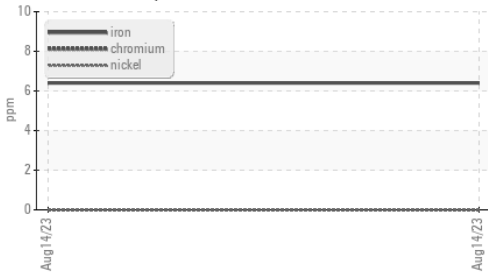
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	▲ 47	---	---
Sodium	ppm	ASTM D5185m	<0.1	2	---	---
Potassium	ppm	ASTM D5185m	<0.1	0	---	---
Water	%	ASTM D6304	<0.05	0.018	---	---
ppm Water	ppm	ASTM D6304	<500	187.3	---	---

HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	▲ 6	---	---
Nickel	ppm	ASTM D5185m	<0.1	0	---	---
Lead	ppm	ASTM D5185m	<0.1	0	---	---
Vanadium	ppm	ASTM D5185m	<0.1	<1	---	---
Iron	ppm	ASTM D5185m	<0.1	▲ 6	---	---
Calcium	ppm	ASTM D5185m	<0.1	5	---	---
Magnesium	ppm	ASTM D5185m	<0.1	3	---	---
Phosphorus	ppm	ASTM D5185m	<0.1	0	---	---
Zinc	ppm	ASTM D5185m	<0.1	<1	---	---

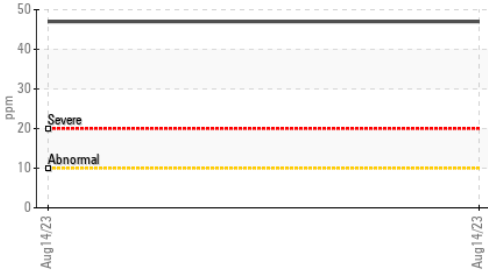
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image

FUEL REPORT

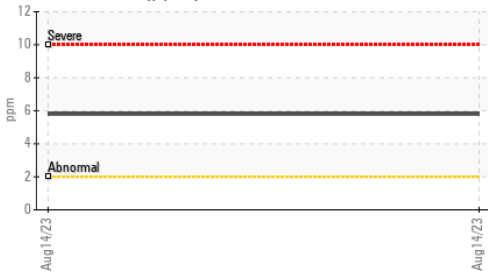
▲ Ferrous Alloys



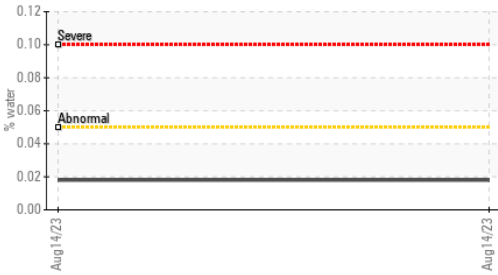
▲ Silicon (ppm)



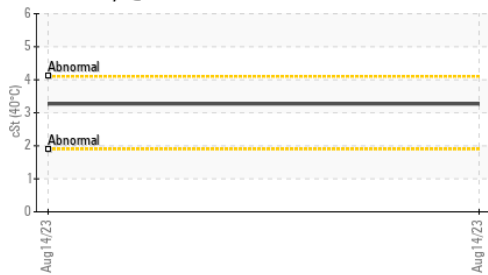
▲ Aluminum (ppm)



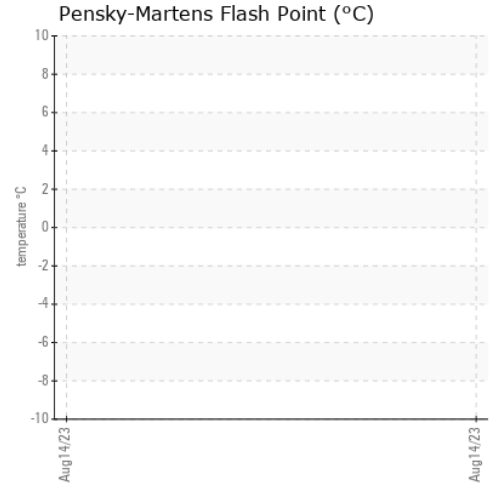
Water



Viscosity @ 40°C



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP426759 **Received** : 24 Aug 2023
Lab Number : 05933997 **Diagnosed** : 06 Sep 2023
Unique Number : 10619268 **Diagnostician** : Doug Bogart
Test Package : MOB 1 (Additional Tests: KF)

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)

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