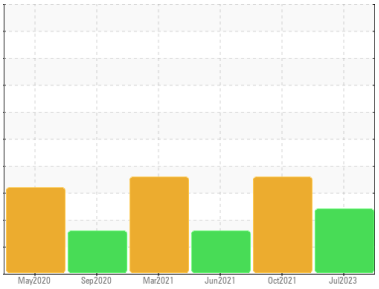
OIL DIAGNOSTICS

PROBLEM SUMMARY

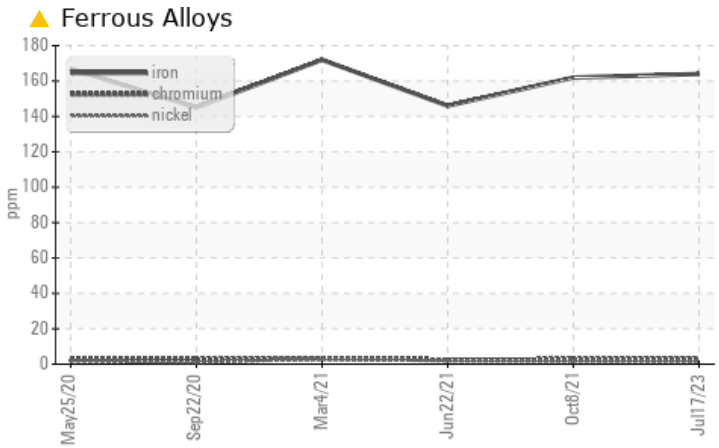
Sample Rating Trend

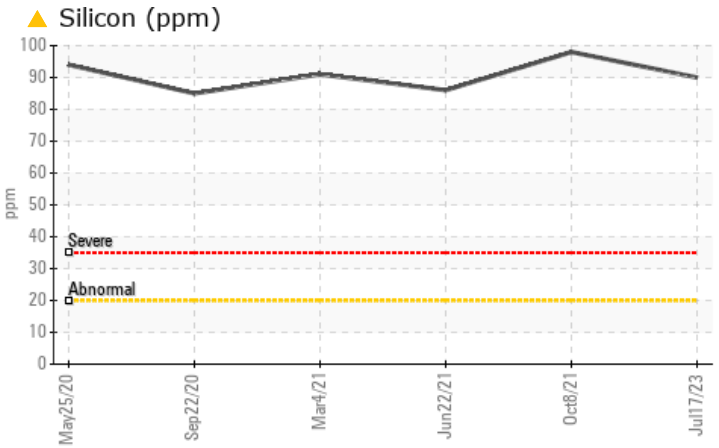


DIRT

Machine Id
VOLVO 26425
Component
Transmission (Auto)
Fluid
PETRO CANADA TRAXON SYNTHETIC MTF 75W80 (--- GAL)

COMPONENT CONDITION SUMMARY





RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

Sample Status				**ABNORMAL**	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>160	▲ **164**	▲ 162	146
Silicon	ppm	ASTM D5185m	>20	▲ **90**	▲ 98	▲ 86

Customer Id: PERBRIDE
Sample No.: PCA0100540
Lab Number: 05931222
Test Package: FLEET

To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldridge +1
don.b505@comcast.net

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

08 Oct 2021 Diag: Don Baldridge

DIRT

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.The iron level is abnormal. Moderate concentration of visible metal present. All other component wear rates are normal. Elemental level of silicon (Si) above normal. The condition of the fluid is acceptable for the time in service.

view report

22 Jun 2021 Diag: Jonathan Hester

DIRT

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. Elemental level of silicon (Si) above normal. The condition of the fluid is acceptable for the time in service.

view report

04 Mar 2021 Diag: Don Baldridge

DIRT

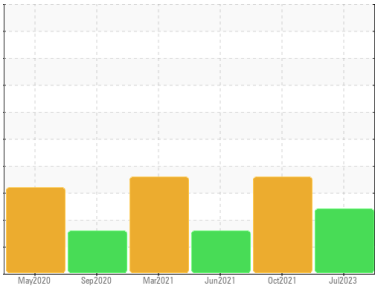
No corrective action is recommended at this time. Resample at the next service interval to monitor.The iron level is abnormal. Moderate concentration of visible metal present. All other component wear rates are normal. Elemental level of silicon (Si) above normal. The condition of the fluid is acceptable for the time in service.

view report

OIL DIAGNOSTICS

OIL ANALYSIS REPORT

Sample Rating Trend



DIRT

Machine Id
VOLVO 26425
Component
Transmission (Auto)
Fluid
PETRO CANADA TRAXON SYNTHETIC MTF 75W80 (--- GAL)

DIAGNOSIS

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

▲ Wear
The iron level is abnormal. All other component wear rates are normal.

▲ Contamination
Elemental level of silicon (Si) above normal.

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**PCA0100540**	PCA0059027	PCA0052061
Sample Date		Client Info		**17 Jul 2023**	08 Oct 2021	22 Jun 2021
Machine Age	mls	Client Info		**401876**	345451	327746
Oil Age	mls	Client Info		**401876**	345451	0
Oil Changed		Client Info		**N/A**	Not Changd	Not Changd
Sample Status				**ABNORMAL**	ABNORMAL	ABNORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>160	▲ **164**	▲ 162	146
Chromium	ppm	ASTM D5185m	>5	**3**	3	2
Nickel	ppm	ASTM D5185m	>5	**2**	2	2
Titanium	ppm	ASTM D5185m		**<1**	<1	<1
Silver	ppm	ASTM D5185m	>5	**0**	0	0
Aluminum	ppm	ASTM D5185m	>50	**12**	9	7
Lead	ppm	ASTM D5185m	>50	**0**	<1	1
Copper	ppm	ASTM D5185m	>225	**82**	103	93
Tin	ppm	ASTM D5185m	>10	**<1**	<1	<1
Antimony	ppm	ASTM D5185m		**---**	0	0
Vanadium	ppm	ASTM D5185m		**0**	0	0
Cadmium	ppm	ASTM D5185m		**0**	0	0

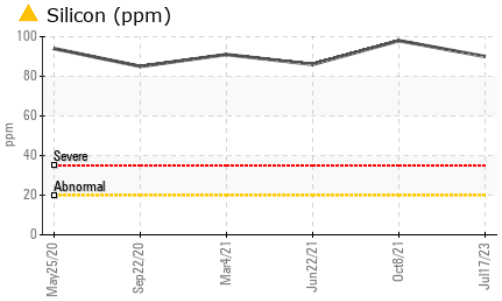
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	**0**	6	0
Barium	ppm	ASTM D5185m	0	**0**	0	0
Molybdenum	ppm	ASTM D5185m		**<1**	3	2
Manganese	ppm	ASTM D5185m		**65**	65	60
Magnesium	ppm	ASTM D5185m	3	**3**	3	3
Calcium	ppm	ASTM D5185m	731	**795**	844	845
Phosphorus	ppm	ASTM D5185m	628	**647**	650	652
Zinc	ppm	ASTM D5185m	1	**36**	34	27
Sulfur	ppm	ASTM D5185m	2556	**5108**	4212	4006

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	▲ **90**	▲ 98	▲ 86
Sodium	ppm	ASTM D5185m		**5**	6	4
Potassium	ppm	ASTM D5185m	>20	**2**	<1	2

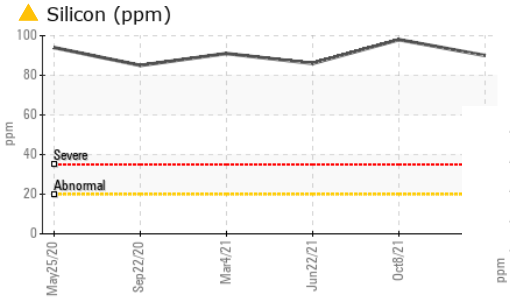
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	▲ MODER	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	NORML	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	**NEG**	NEG	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

OIL ANALYSIS REPORT

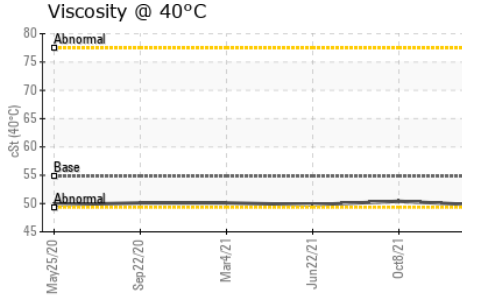
Silicon (ppm)



Silicon (ppm)



Viscosity @ 40°C

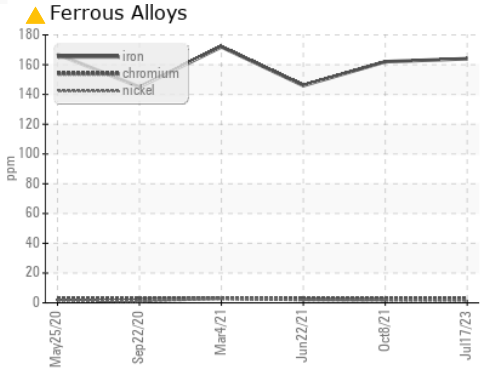


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	54.8	**49.7**	50.4	49.8

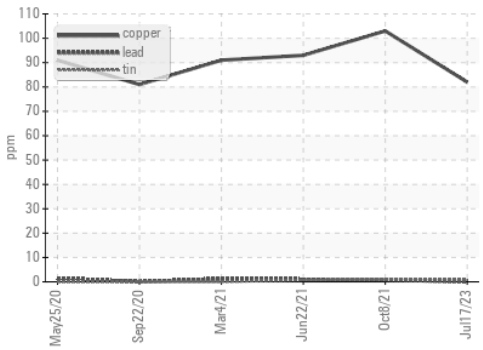
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			*no image*	*no image*	*no image*
Bottom			*no image*	*no image*	*no image*

GRAPHS

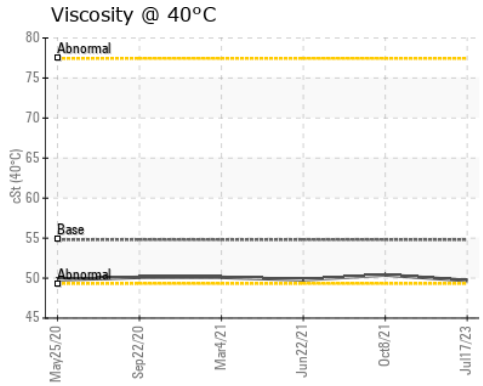
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0100540
Lab Number : 05931222
Unique Number : 10616493
Test Package : FLEET

Received : 22 Aug 2023
Diagnosed : 23 Aug 2023
Diagnostician : Don Baldridge

PERDUE FARMS - BRIDGEVILLE
8634 E NEWTON RD
BRIDGEVILLE, DE
US 19933
Contact: GEORGE LACATES

T:
F:

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)