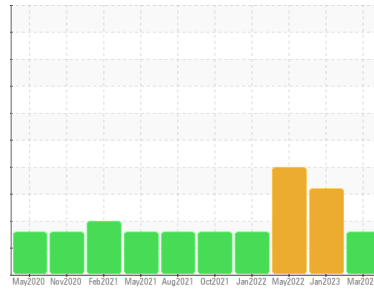


OIL ANALYSIS REPORT

Sample Rating Trend



DIRT



Machine Id
VOLVO 26424

Component
Front Differential

Fluid
PETRO CANADA TRAXON E SYNTHETIC 75W-90 (--- GAL)

DIAGNOSIS

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
Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material.

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

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0116018	PCA0089388	PCA0074371
Sample Date	Client Info	07 Mar 2024	31 Jan 2023	25 May 2022
Machine Age	mls	Client Info	445614	425250
Oil Age	mls	Client Info	445614	425250
Oil Changed	Client Info	Not Chngd	Not Chngd	Not Chngd
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method	>.2	NEG	NEG
			NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185m	>500	370	▲ 581	▲ 527
Chromium	ppm	ASTM D5185m	>10	3	4	4
Nickel	ppm	ASTM D5185m	>10	12	9	8
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	3	<1
Lead	ppm	ASTM D5185m	>25	0	▲ 44	▲ 39
Copper	ppm	ASTM D5185m	>100	4	60	▲ 54
Tin	ppm	ASTM D5185m	>10	<1	3	3
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	<1	0

ADDITIVES

method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185m	229	202	145	145
Barium	ppm	ASTM D5185m	<1	<1	0	0
Molybdenum	ppm	ASTM D5185m		<1	1	<1
Manganese	ppm	ASTM D5185m		8	13	12
Magnesium	ppm	ASTM D5185m	<1	4	4	<1
Calcium	ppm	ASTM D5185m		15	16	14
Phosphorus	ppm	ASTM D5185m	1355	1545	1345	1306
Zinc	ppm	ASTM D5185m		26	45	33
Sulfur	ppm	ASTM D5185m	22698	27374	24941	26417

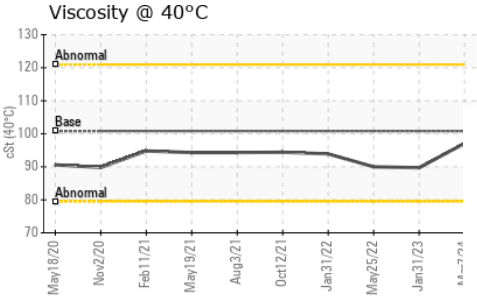
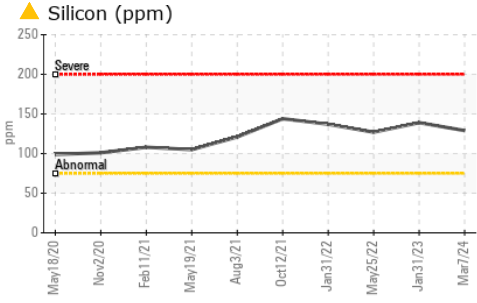
CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>75	▲ 129	▲ 139	▲ 127
Sodium	ppm	ASTM D5185m		17	5	7
Potassium	ppm	ASTM D5185m	>20	8	7	3

VISUAL

method	limit/base	current	history1	history2		
White Metal	scalar	*Visual	NONE	NONE	NONE	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	>.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

OIL ANALYSIS REPORT

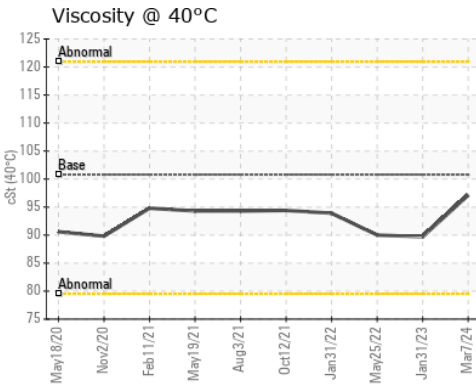
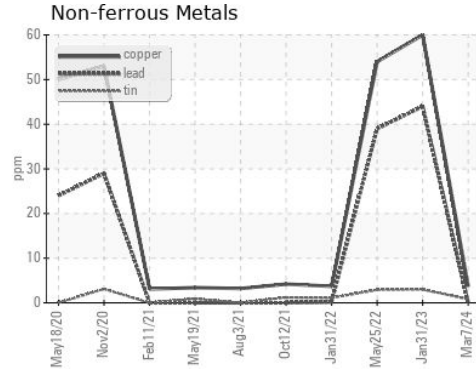
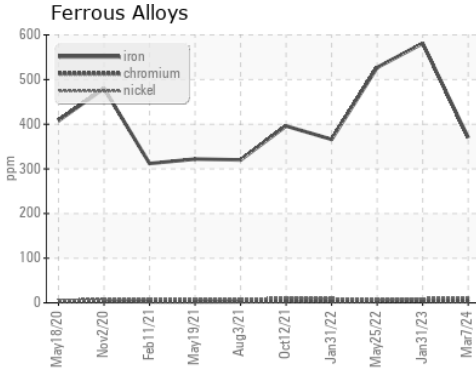


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	100.8	97.1	89.7	90.0

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0116018
Lab Number : **06174464**
Unique Number : 11020517
Test Package : FLEET

Received : 09 May 2024
Tested : 10 May 2024
Diagnosed : 13 May 2024 - Don Baldrige

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

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)

T:
F: