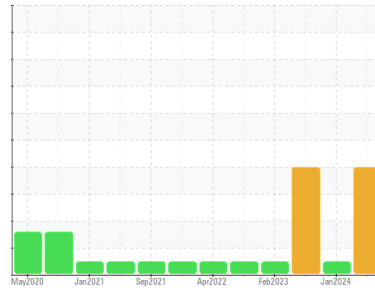


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
Volvo 26558

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
Bearing and/or bushing wear is indicated.

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	PCA0106093	PCA0116038	PCA0099162
Sample Date	Client Info	08 May 2024	24 Jan 2024	23 May 2023
Machine Age	mls	443851	433227	392039
Oil Age	mls	0	433227	392039
Oil Changed	Client Info	Not Chngd	Not Chngd	Not Chngd
Sample Status		ABNORMAL	NORMAL	ABNORMAL

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >500	378	404	362
Chromium	ppm ASTM D5185m >10	3	3	3
Nickel	ppm ASTM D5185m >10	4	10	4
Titanium	ppm ASTM D5185m	<1	<1	0
Silver	ppm ASTM D5185m	0	0	0
Aluminum	ppm ASTM D5185m >25	2	5	2
Lead	ppm ASTM D5185m >25	▲ 14	0	▲ 14
Copper	ppm ASTM D5185m >100	▲ 136	6	▲ 128
Tin	ppm ASTM D5185m >10	▲ 12	<1	▲ 13
Vanadium	ppm ASTM D5185m	<1	<1	0
Cadmium	ppm ASTM D5185m	<1	<1	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 229	147	305	163
Barium	ppm ASTM D5185m <1	<1	2	0
Molybdenum	ppm ASTM D5185m	<1	<1	<1
Manganese	ppm ASTM D5185m	11	18	11
Magnesium	ppm ASTM D5185m <1	1	2	0
Calcium	ppm ASTM D5185m	9	17	9
Phosphorus	ppm ASTM D5185m 1355	1567	2078	1481
Zinc	ppm ASTM D5185m	28	31	22
Sulfur	ppm ASTM D5185m 22698	27814	33977	28698

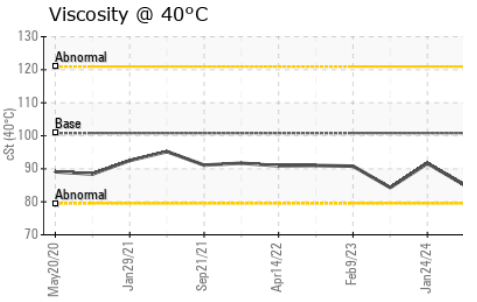
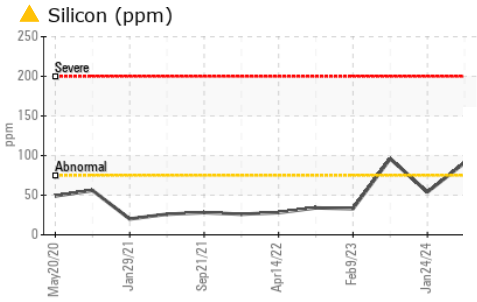
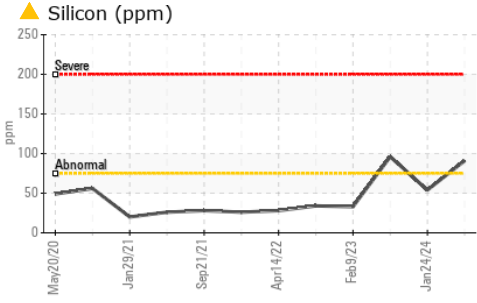
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >75	▲ 91	54	▲ 96
Sodium	ppm ASTM D5185m	10	13	12
Potassium	ppm ASTM D5185m >20	6	7	4

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	LIGHT	LIGHT	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



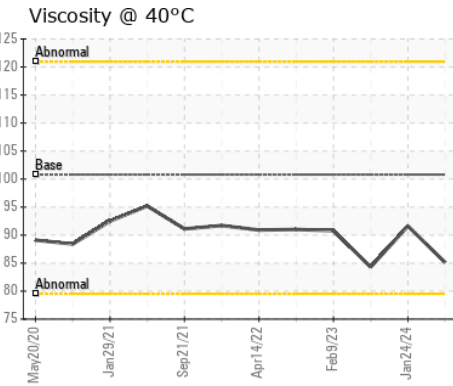
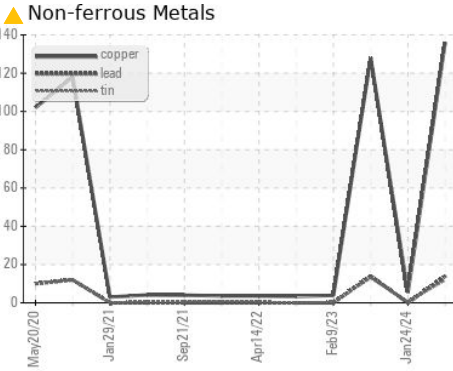
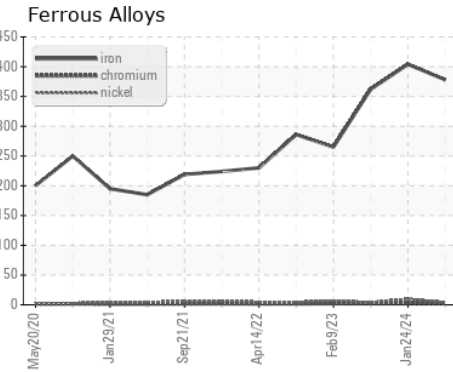
FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	100.8	85.1	91.6	84.3

SAMPLE IMAGES

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0106093
Lab Number : 06174500
Unique Number : 11020553
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: