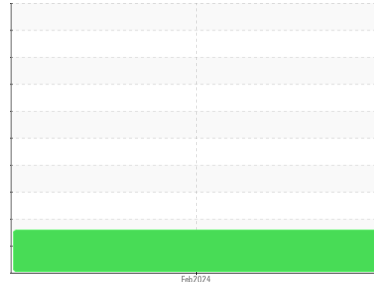


OIL ANALYSIS REPORT

Sample Rating Trend

DIRT

Area
FLEET
 Machine Id
Volvo truck (S/N 0000)
 Component
Diesel Engine
 Fluid
{not provided} (--- GAL)



DIAGNOSIS

Recommendation
 No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear
 All component wear rates are normal.

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

Fluid Condition
 The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0116254	---	---
Sample Date	Client Info	15 Feb 2024	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	NEG	---	---
Glycol	WC Method	NEG	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185m >100	30	---	---
Chromium ppm	ASTM D5185m >20	<1	---	---
Nickel ppm	ASTM D5185m >4	1	---	---
Titanium ppm	ASTM D5185m	0	---	---
Silver ppm	ASTM D5185m >3	15	---	---
Aluminum ppm	ASTM D5185m >20	6	---	---
Lead ppm	ASTM D5185m >40	0	---	---
Copper ppm	ASTM D5185m >330	77	---	---
Tin ppm	ASTM D5185m >15	3	---	---
Vanadium ppm	ASTM D5185m	0	---	---
Cadmium ppm	ASTM D5185m	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185m	184	---	---
Barium ppm	ASTM D5185m	0	---	---
Molybdenum ppm	ASTM D5185m	110	---	---
Manganese ppm	ASTM D5185m	4	---	---
Magnesium ppm	ASTM D5185m	627	---	---
Calcium ppm	ASTM D5185m	1569	---	---
Phosphorus ppm	ASTM D5185m	688	---	---
Zinc ppm	ASTM D5185m	791	---	---
Sulfur ppm	ASTM D5185m	2231	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >25	▲ 48	---	---
Sodium ppm	ASTM D5185m	3	---	---
Potassium ppm	ASTM D5185m >20	5	---	---
Fuel %	ASTM D3524 >5	<1.0	---	---

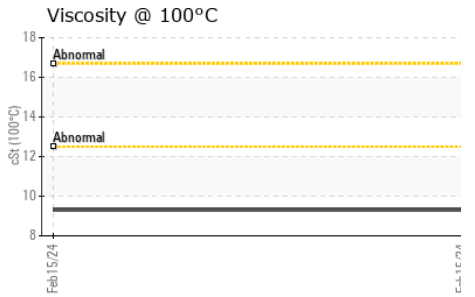
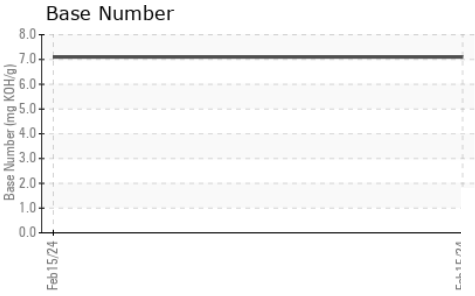
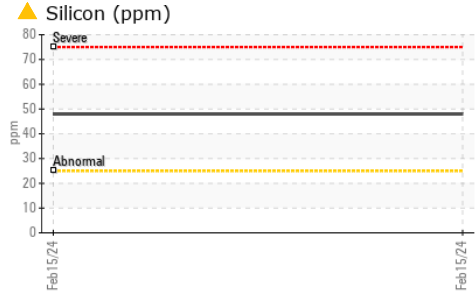
INFRA-RED

method	limit/base	current	history1	history2
Soot %	*ASTM D7844 >3	0.1	---	---
Nitration Abs/cm	*ASTM D7624 >20	9.9	---	---
Sulfation Abs/.1mm	*ASTM D7415 >30	24.2	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation Abs/.1mm	*ASTM D7414 >25	22.7	---	---
Base Number (BN) mg KOH/g	ASTM D2896	7.1	---	---

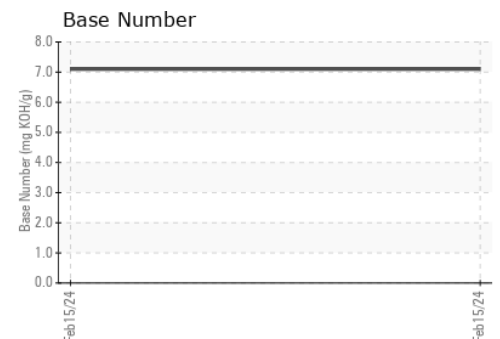
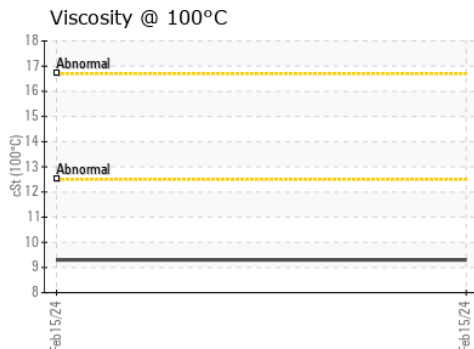
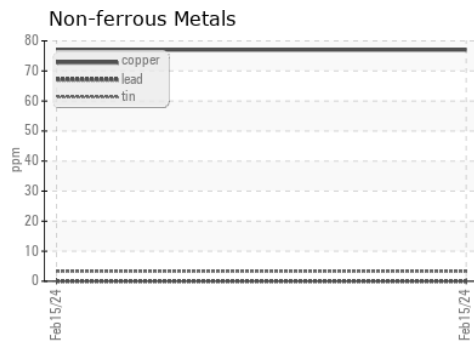
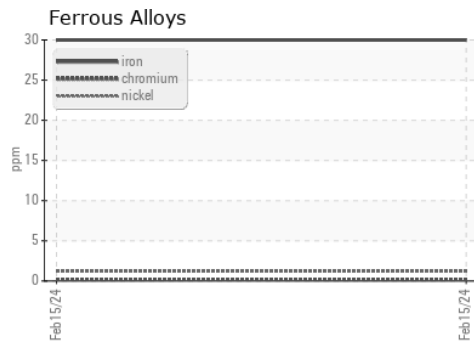
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	9.3	---	---

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0116254 **Received** : 27 Feb 2024
Lab Number : 06101371 **Tested** : 29 Feb 2024
Unique Number : 10899601 **Diagnosed** : 29 Feb 2024 - Jonathan Hester
Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel)

PERDUE FARMS - DILLON
 2047 HWY 9 WEST
 DILLON, SC
 US 29536
 Contact: KEVIN HOOKS
 kevin.hooks@perdue.com
 T: (843)841-8069
 F: (843)841-8070

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)