



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Area
FLEET/DILLON
Machine Id
2126928 (S/N N603202)
Component
Diesel Engine
Fluid
{not provided} (--- GAL)

RECOMMENDATION

The oil is near the end of it's useful service life, recommend schedule an oil change. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0116221	PCA0104872	PCA0102777
Sample Date		Client Info		29 Jan 2024	28 Sep 2023	16 Aug 2023
Machine Age	mls	Client Info		0	0	0
Oil Age	mls	Client Info		0	0	0
Filter Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	48	15	28
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>20	2	6	13
Lead	ppm	ASTM D5185m	>40	1	2	3
Copper	ppm	ASTM D5185m	>330	26	77	165
Tin	ppm	ASTM D5185m	>15	1	1	3
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

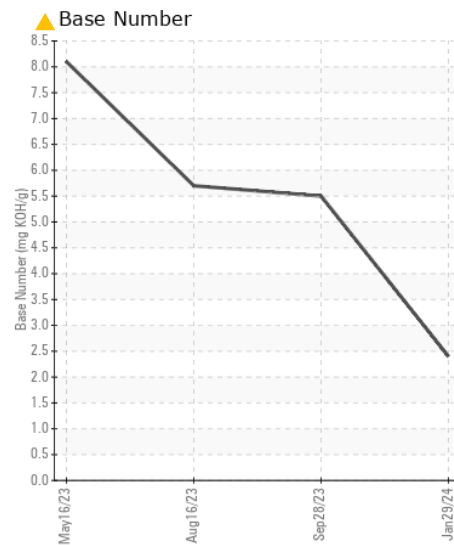
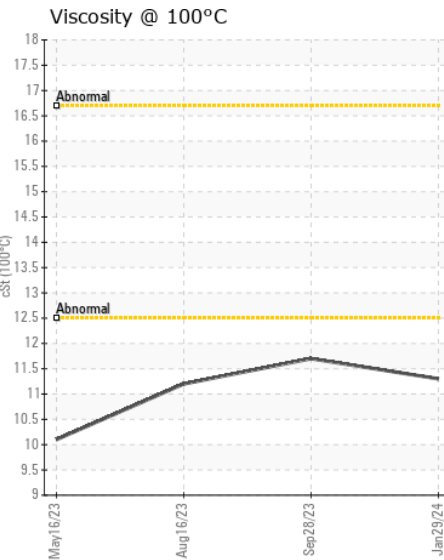
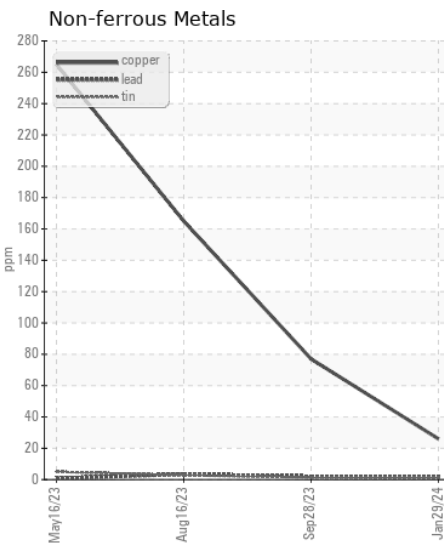
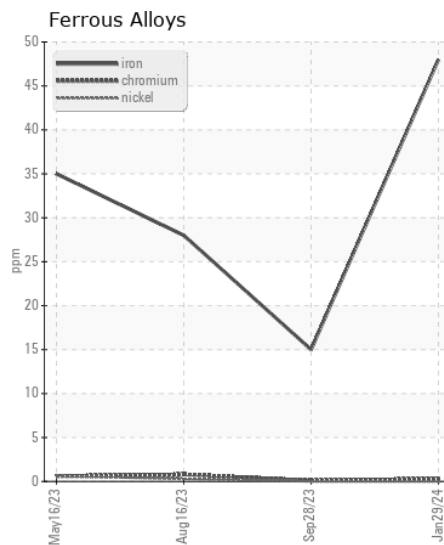
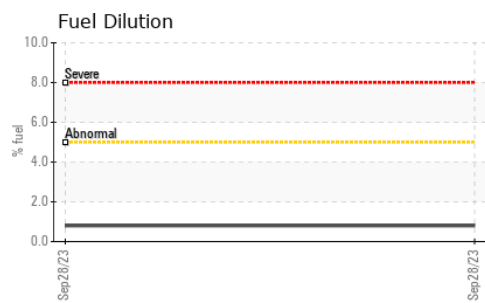
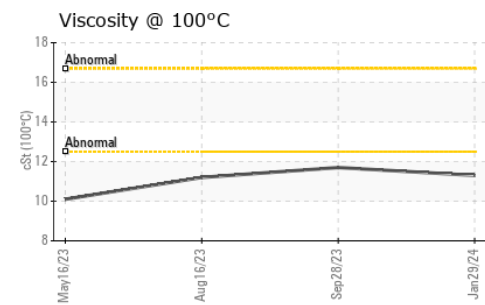
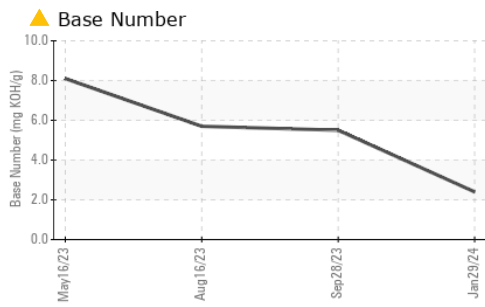
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	7	6	10
Potassium	ppm	ASTM D5185m	>20	10	17	38
Fuel	%	ASTM D3524	>5	<1.0	0.8	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.4	0.3	0.4
Nitration	Abs/cm	*ASTM D7624	>20	14.5	9.7	10.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	27.6	21.4	22.3
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	>0.2	NEG	NEG	NEG

FLUID CONDITION

The BN level is low.

Sodium	ppm	ASTM D5185m		0	3	3
Boron	ppm	ASTM D5185m		4	0	5
Barium	ppm	ASTM D5185m		8	0	0
Molybdenum	ppm	ASTM D5185m		59	65	61
Manganese	ppm	ASTM D5185m		0	<1	2
Magnesium	ppm	ASTM D5185m		805	982	844
Calcium	ppm	ASTM D5185m		1103	1282	1293
Phosphorus	ppm	ASTM D5185m		764	905	875
Zinc	ppm	ASTM D5185m		1146	1273	1152
Sulfur	ppm	ASTM D5185m		2200	2595	2769
Oxidation	Abs/.1mm	*ASTM D7414	>25	27.6	18.3	18.7
Base Number (BN)	mg KOH/g	ASTM D2896		▲ 2.4	5.5	5.7
Visc @ 100°C	cSt	ASTM D445		11.3	11.7	11.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0116221 **Received** : 14 Feb 2024
Lab Number : 06088556 **Tested** : 15 Feb 2024
Unique Number : 10876001 **Diagnosed** : 15 Feb 2024 - Jonathan Hester
Test Package : FLEET (Additional Tests: FuelDilution)

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)

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