



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	ATTENTION

Area  
**Pillen Family Farms**  
 Machine Id  
**MILTK39**  
 Component  
**Diesel Engine**  
 Fluid  
**MOBIL DELVAC 1300 SUPER15W40 (--- GAL)**

## RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>SBP0006844</b>	SBP0006880	SBP0005319
Sample Date		Client Info		<b>14 May 2024</b>	26 Apr 2024	21 Feb 2024
Machine Age	hrs	Client Info		<b>350</b>	350	350
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ATTENTION</b>	ABNORMAL	ABNORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>5</b>	13	25
Chromium	ppm	ASTM D5185m	>20	<b>0</b>	<1	2
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>3	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>1</b>	2	7
Lead	ppm	ASTM D5185m	>40	<b>&lt;1</b>	3	1
Copper	ppm	ASTM D5185m	>330	<b>0</b>	0	<1
Tin	ppm	ASTM D5185m	>15	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

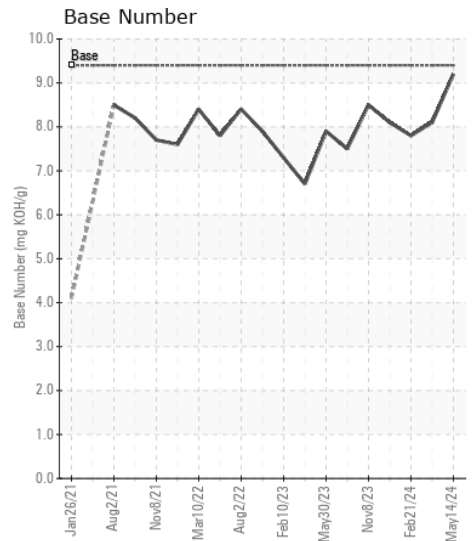
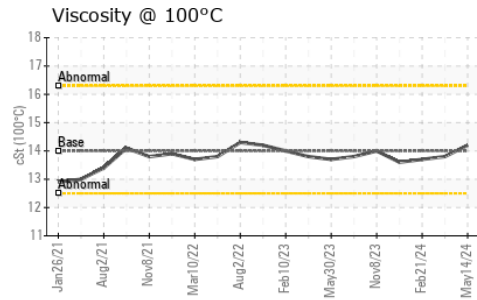
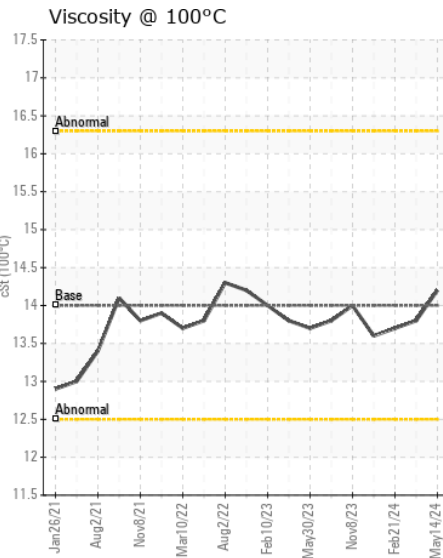
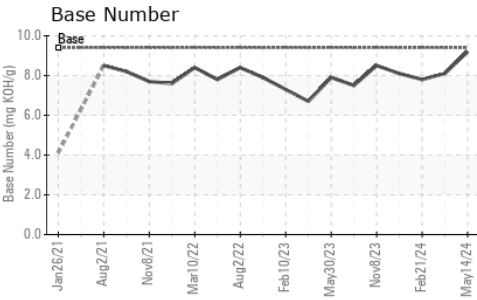
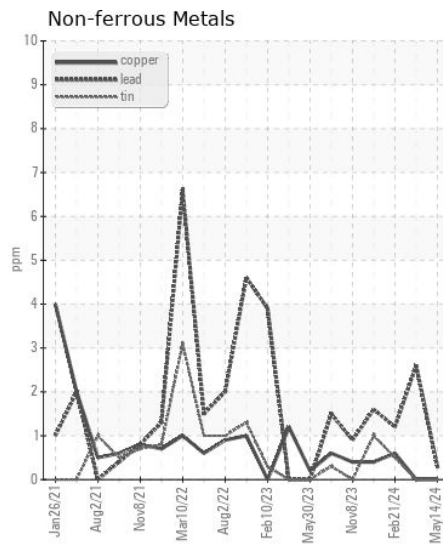
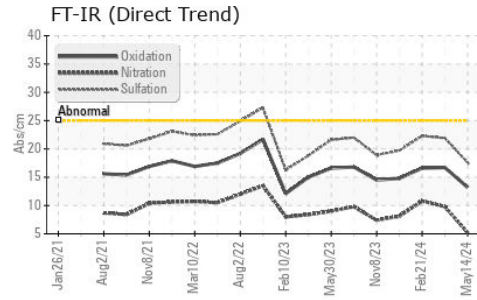
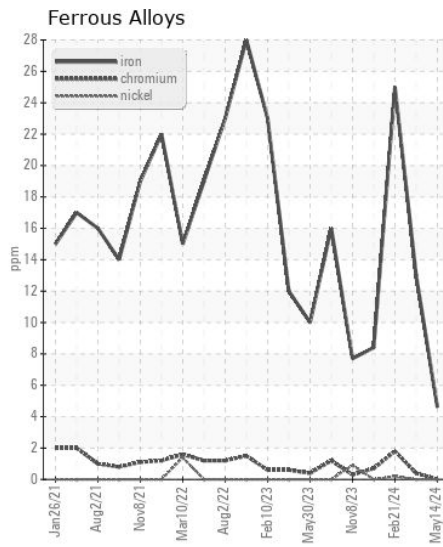
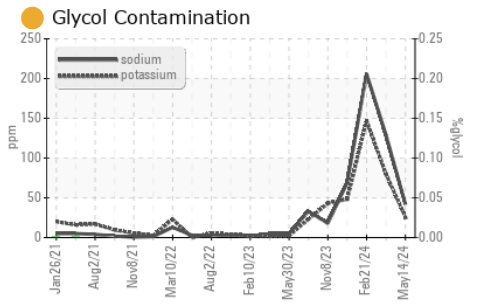
Sodium and/or potassium levels have decreased. Test for glycol is negative.

Silicon	ppm	ASTM D5185m	>25	<b>4</b>	3	6
Potassium	ppm	ASTM D5185m	>20	<b>26</b>	80	147
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844	>3	<b>0.1</b>	0.7	0.9
Nitration	Abs/cm	*ASTM D7624	>20	<b>5.2</b>	9.8	10.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>17.6</b>	21.9	22.3
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG

## 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.

Sodium	ppm	ASTM D5185m		<b>42</b>	129	206
Boron	ppm	ASTM D5185m	0	<b>0</b>	0	<1
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>63</b>	64	74
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m	0	<b>1108</b>	953	1065
Calcium	ppm	ASTM D5185m		<b>1239</b>	1068	1133
Phosphorus	ppm	ASTM D5185m		<b>1182</b>	1001	1183
Zinc	ppm	ASTM D5185m		<b>1480</b>	1239	1401
Sulfur	ppm	ASTM D5185m		<b>4233</b>	3405	3636
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>13.2</b>	16.7	16.6
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>9.2</b>	8.1	7.8
Visc @ 100°C	cSt	ASTM D445	14	<b>14.2</b>	13.8	13.7



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : SBP0006844  
**Lab Number** : 06193303  
**Unique Number** : 11050055  
**Test Package** : FLEET

**Received** : 28 May 2024  
**Tested** : 30 May 2024  
**Diagnosed** : 30 May 2024 - Sean Felton

**Pillen Family Farms - 722828**  
 26741 NE-91  
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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)