



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>ABNORMAL</b>
FLUID CONDITION	<b>ABNORMAL</b>

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>SBP0006880</b>	SBP0005319	SBP0006177
Sample Date		Client Info		<b>26 Apr 2024</b>	21 Feb 2024	12 Jan 2024
Machine Age	hrs	Client Info		<b>350</b>	350	350
Oil Age	hrs	Client Info		<b>0</b>	0	350
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>ABNORMAL</b>	ABNORMAL	ABNORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>13</b>	25	8
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	<1
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>2</b>	7	3
Lead	ppm	ASTM D5185m	>40	<b>3</b>	1	2
Copper	ppm	ASTM D5185m	>330	<b>0</b>	<1	<1
Tin	ppm	ASTM D5185m	>15	<b>0</b>	<1	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

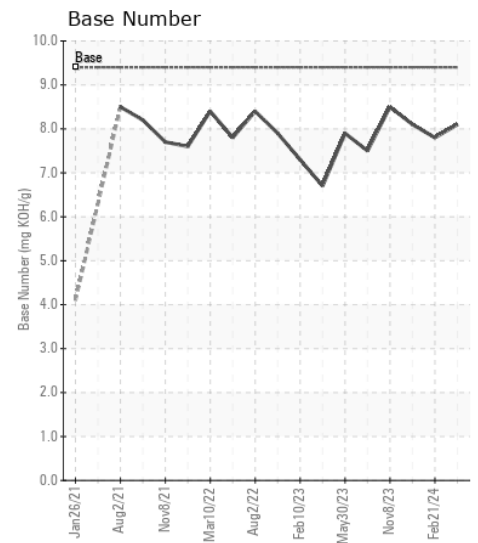
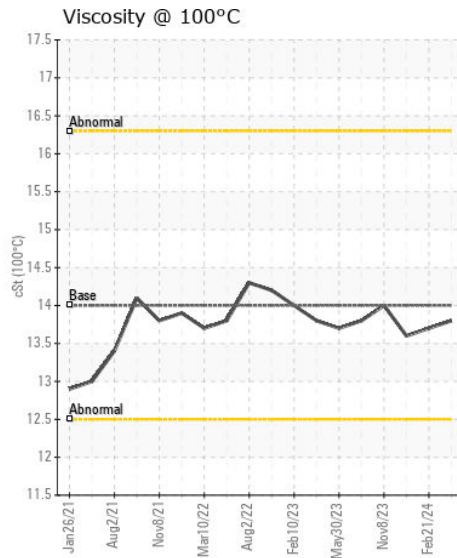
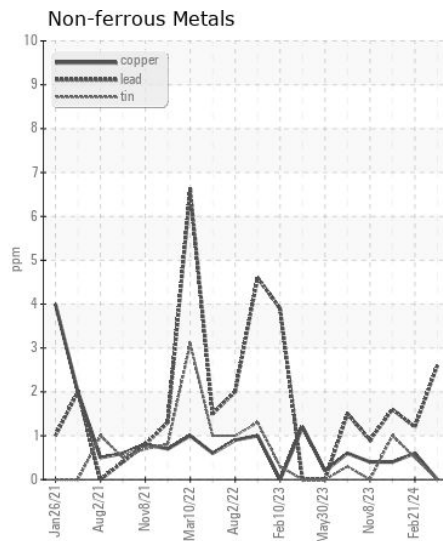
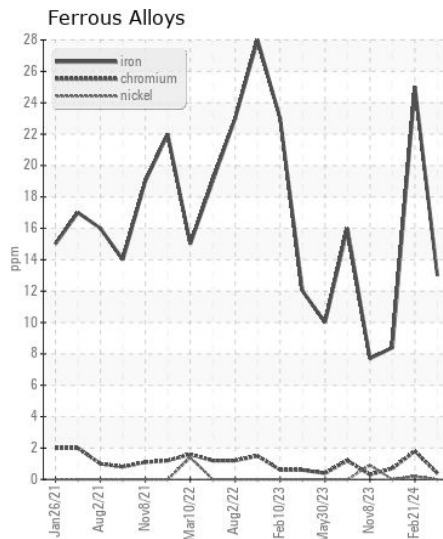
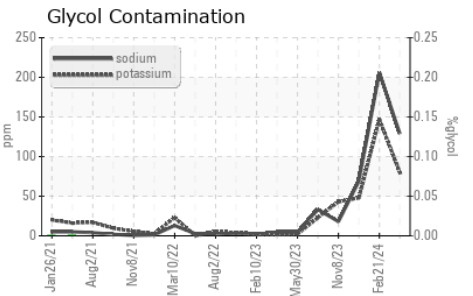
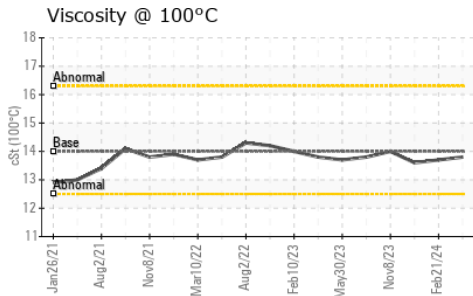
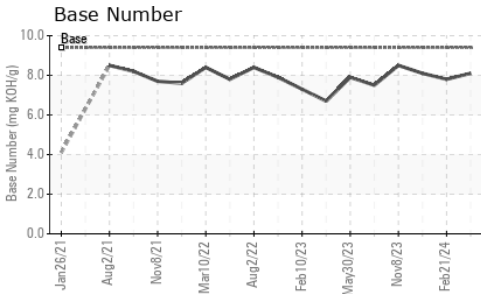
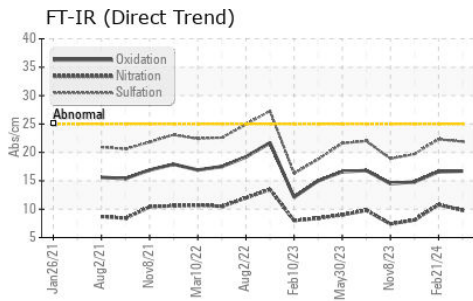
Sodium and/or potassium levels remain high. Test for glycol is negative.

Silicon	ppm	ASTM D5185m	>25	<b>3</b>	6	3
Potassium	ppm	ASTM D5185m	>20	<b>▲ 80</b>	<b>▲ 147</b>	<b>▲ 48</b>
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol	%	*ASTM D2982		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844	>3	<b>0.7</b>	0.9	0.4
Nitration	Abs/cm	*ASTM D7624	>20	<b>9.8</b>	10.8	8.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>21.9</b>	22.3	19.7
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>▲ 129</b>	<b>▲ 206</b>	<b>▲ 69</b>
Boron	ppm	ASTM D5185m	0	<b>0</b>	<1	0
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>64</b>	74	63
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>953</b>	1065	922
Calcium	ppm	ASTM D5185m		<b>1068</b>	1133	1015
Phosphorus	ppm	ASTM D5185m		<b>1001</b>	1183	1031
Zinc	ppm	ASTM D5185m		<b>1239</b>	1401	1190
Sulfur	ppm	ASTM D5185m		<b>3405</b>	3636	2919
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>16.7</b>	16.6	14.8
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>8.1</b>	7.8	8.1
Visc @ 100°C	cSt	ASTM D445	14	<b>13.8</b>	13.7	13.6



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : SBP0006880 **Received** : 13 May 2024  
**Lab Number** : 06178246 **Tested** : 15 May 2024  
**Unique Number** : 11029572 **Diagnosed** : 15 May 2024 - Sean Felton  
**Test Package** : FLEET ( Additional Tests: Glycol )

**Pillen Family Farms - 722828**  
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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)