



# OIL ANALYSIS REPORT

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

Area  
**Pillen Family Farms**  
 Machine Id  
**MILTK30**  
 Component  
**Diesel Engine**  
 Fluid  
**MOBIL DELVAC 1300 SUPER15W40 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>SBP0006236</b>	SBP0001497	SBP20379009
Sample Date		Client Info		<b>12 Jan 2024</b>	29 Sep 2023	04 Aug 2020
Machine Age	hrs	Client Info		<b>350</b>	0	0
Oil Age	hrs	Client Info		<b>350</b>	0	12000
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changd</b>	N/A	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>165	<b>6</b>	12	17
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	1
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	1
Lead	ppm	ASTM D5185m	>150	<b>2</b>	<1	1
Copper	ppm	ASTM D5185m	>90	<b>&lt;1</b>	0	1
Tin	ppm	ASTM D5185m	>5	<b>1</b>	<1	1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

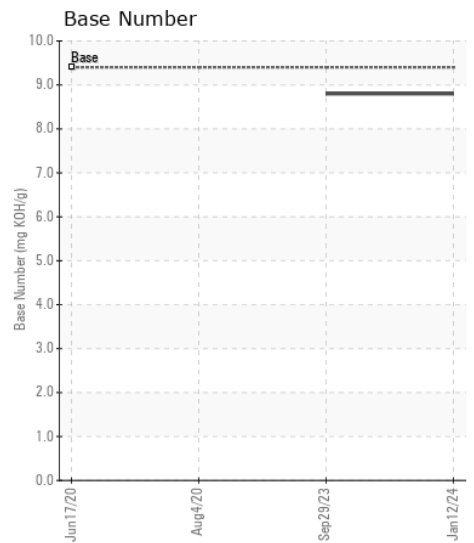
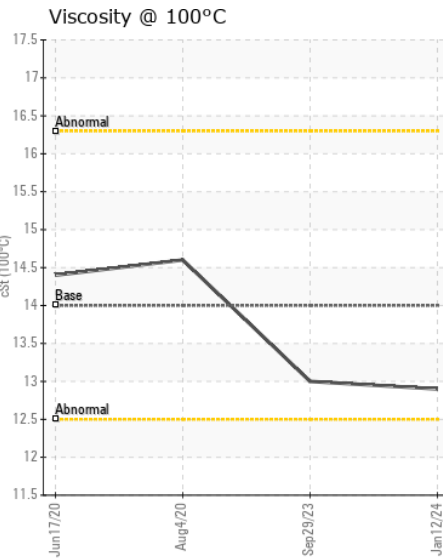
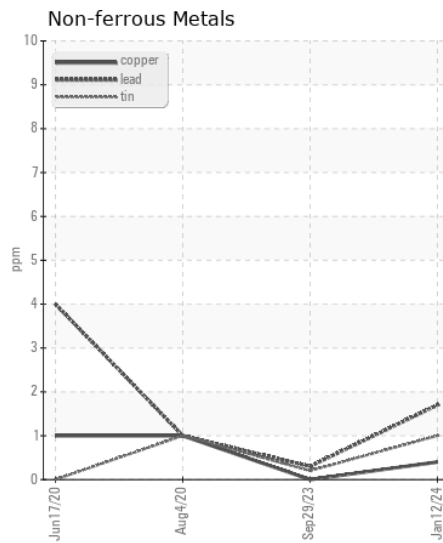
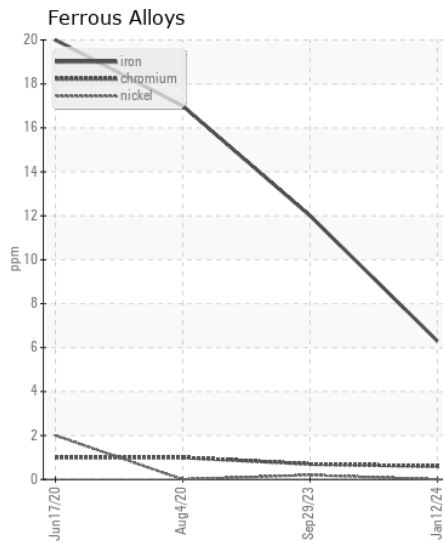
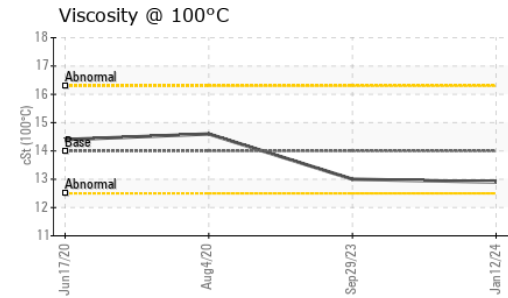
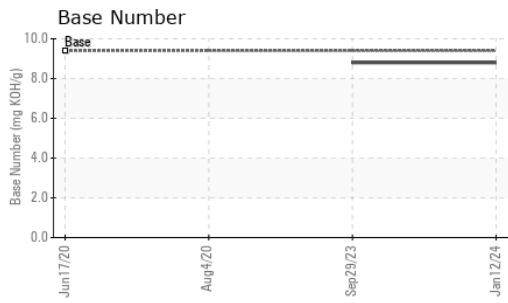
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>35	<b>7</b>	10	3
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	2	5
Chlorine	ppm	ASTM D5185m		<b>---</b>	---	0
Fuel		WC Method	>3.0	<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	0.0
Soot %	%	*ASTM D7844	>7.5	<b>1.2</b>	1.6	3.42
Nitration	Abs/cm	*ASTM D7624	>20	<b>6.0</b>	6.4	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>19.3</b>	19.9	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	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>1</b>	2	2
Boron	ppm	ASTM D5185m	0	<b>3</b>	7	39
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>59</b>	60	1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185m	0	<b>872</b>	955	722
Calcium	ppm	ASTM D5185m		<b>981</b>	1081	1310
Phosphorus	ppm	ASTM D5185m		<b>992</b>	1088	737
Zinc	ppm	ASTM D5185m		<b>1127</b>	1290	789
Sulfur	ppm	ASTM D5185m		<b>2875</b>	3234	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>13.1</b>	13.3	---
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>8.8</b>	8.8	---
Visc @ 100°C	cSt	ASTM D445	14	<b>12.9</b>	13.0	14.6



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : SBP0006236 **Received** : 01 Feb 2024  
**Lab Number** : 06077405 **Diagnosed** : 04 Feb 2024  
**Unique Number** : 10859496 **Diagnostician** : Don Baldrige  
**Test Package** : FLEET

**Pillen Family Farms - 722828**  
 26741 NE-91  
 Humphrey, NE  
 US 61357  
 Contact: Troy Runge  
 troyfr@pillenfamilyfarms.com  
 T: (308)390-6733  
 F:

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)