



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Pillen Family Farms
 Machine Id
MILTK50
 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		SBP0006198	SBP0006199	---
Sample Date		Client Info		11 Jan 2024	10 Jan 2024	---
Machine Age	hrs	Client Info		350	350	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	Not Changd	---
Sample Status				NORMAL	ATTENTION	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>90	15	22	---
Chromium	ppm	ASTM D5185m	>20	<1	<1	---
Nickel	ppm	ASTM D5185m	>2	<1	<1	---
Titanium	ppm	ASTM D5185m	>2	<1	<1	---
Silver	ppm	ASTM D5185m	>2	0	0	---
Aluminum	ppm	ASTM D5185m	>20	8	8	---
Lead	ppm	ASTM D5185m	>40	2	2	---
Copper	ppm	ASTM D5185m	>330	4	14	---
Tin	ppm	ASTM D5185m	>15	2	2	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

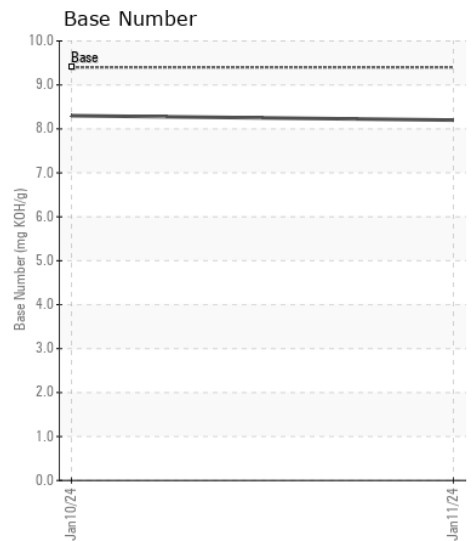
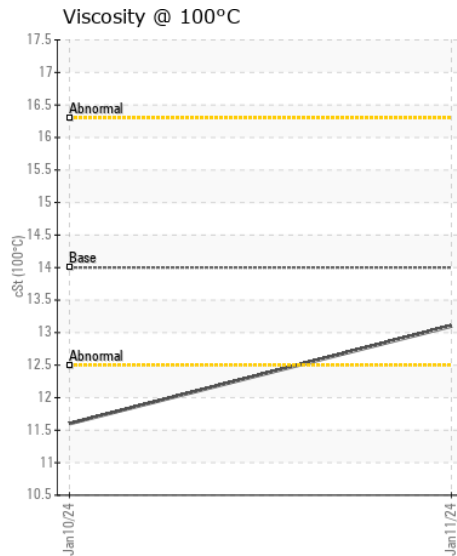
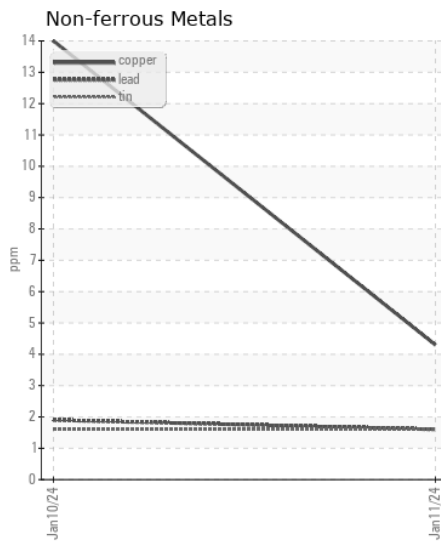
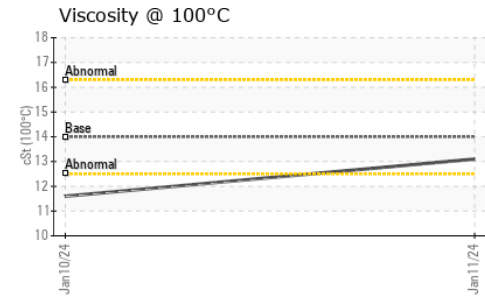
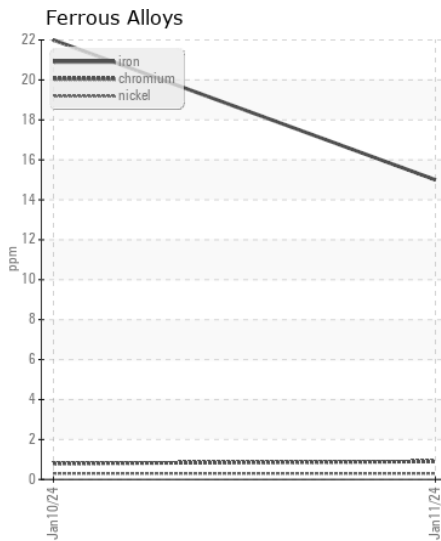
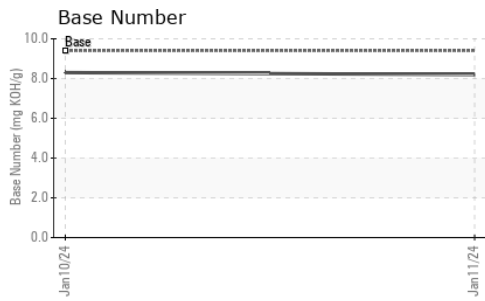
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	9	30	---
Potassium	ppm	ASTM D5185m	>20	19	41	---
Fuel		WC Method	>3.0	<1.0	0.5	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>6	0.3	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	6.9	7.1	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.1	17.9	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	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		3	4	---
Boron	ppm	ASTM D5185m	0	5	85	---
Barium	ppm	ASTM D5185m	0	<1	4	---
Molybdenum	ppm	ASTM D5185m	0	57	11	---
Manganese	ppm	ASTM D5185m		1	4	---
Magnesium	ppm	ASTM D5185m	0	893	661	---
Calcium	ppm	ASTM D5185m		1030	1181	---
Phosphorus	ppm	ASTM D5185m		980	699	---
Zinc	ppm	ASTM D5185m		1137	762	---
Sulfur	ppm	ASTM D5185m		2743	2733	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.4	12.7	---
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	8.2	8.3	---
Visc @ 100°C	cSt	ASTM D445	14	13.1	▲ 11.6	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : SBP0006198 **Received** : 01 Feb 2024
Lab Number : 06077390 **Tested** : 02 Feb 2024
Unique Number : 10859481 **Diagnosed** : 05 Feb 2024 - 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)