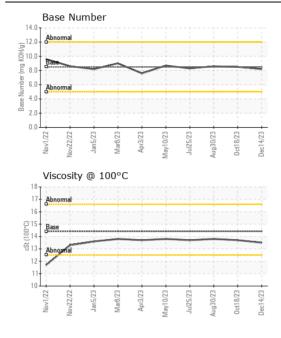
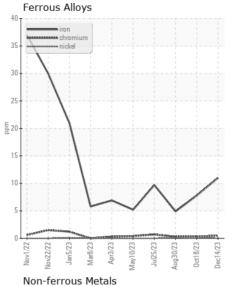
**WEAR** CONTAMINATION **FLUID CONDITION**  **NORMAL** NORMAL **NORMAL** 

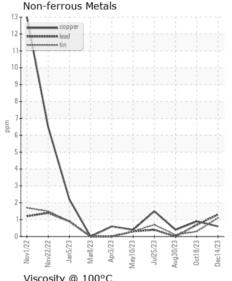
## Pillen Family Farms Machine Id MILTK45

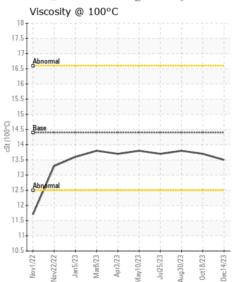
Component Diesel Engine

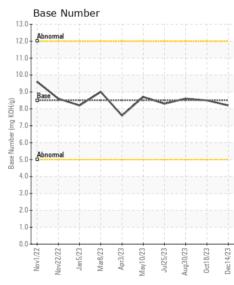
DIESEL ENGINE OIL SAE 40 ( GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.	Sample Number	OOW	Client Info	LIIIIU/ADII	SBP0006166	-	SBP0002416
	Sample Date		Client Info		14 Dec 2023	18 Oct 2023	30 Aug 2023
	Machine Age	hrs	Client Info		0	0	0
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		N/A	N/A	N/A
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	11	8	5
	Chromium	ppm	ASTM D5185m		<1	<1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	<1	<1
	Titanium	ppm	ASTM D5185m		<1	<1	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m		3	2	9
	Lead	ppm	ASTM D5185m		1	<1	0
	Copper	ppm	ASTM D5185m		<1	<1	<1
	Tin	ppm	ASTM D5185m		1	<1	<1
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	3	5	4
	Potassium	ppm	ASTM D5185m		2	8	25
There is no indication of any contamination in the oil.	Fuel		WC Method		<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.6	0.5	0.5
	Nitration	Abs/cm	*ASTM D7624	>20	7.1	7.0	6.7
	Sulfation	Abs/.1mm	*ASTM D7415	>30	19.6	19.1	18.9
	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	Sodium	ppm	ASTM D5185m	>216	3	0	2
	Boron	ppm	ASTM D5185m	250	<1	1	2
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m	10	0	3	0
	Molybdenum	ppm	ASTM D5185m	100	61	64	61
	Manganese	ppm	ASTM D5185m		<1	0	<1
	Magnesium	ppm	ASTM D5185m	450	913	957	1000
	Calcium	ppm	ASTM D5185m	3000	994	1124	1085
	Phosphorus	ppm	ASTM D5185m	1150	1011	1013	1111
	Zinc	ppm	ASTM D5185m	1350	1170	1274	1350
	Sulfur	ppm	ASTM D5185m	4250	2809	3460	3295
	Oxidation	Abs/.1mm	*ASTM D7414		14.4	14.3	14.0
	Base Number (BN)		ASTM D2896		8.2	8.5	8.6
	Visc @ 100°C	cSt	ASTM D445	14.4	13.5	13.7	13.8













Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** Test Package : FLEET

: SBP0006166 : 06077383 : 10859474

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 01 Feb 2024 Diagnosed

: 02 Feb 2024 : Wes Davis Diagnostician

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)

Pillen Family Farms - 722828

26741 NE-91 Humphrey, NE US 61357

Contact: Troy Runge troyfr@pillenfamilyfarms.com T: (308)390-6733

F: