

Truck # 12

Ford Sterling

Recent Service done to truck:

New Engine oil + filter

New fuel filters

New Engine Air filter.

Greased

New batteries



Unit ID: 12 ENGINE  
 Client ID: S36641EX BURRUS SEED FARMS  
 Unit Type: DIESEL ENGINE Year  
 Unit Make: STERLING Lube Type: FS  
 Unit Model: L900 Grade: 15W40  
 Component Make: NONE GIVEN Capacity:  
 Component Model: NONE GIVEN Oil Changed: YES

ATTENTION CODE:

Normal

Condition Monitoring Report

REMARKS	*WEAR AND CONTAMINATION LEVELS APPEAR NORMAL. NO CORRECTIVE ACTION INDICATED BY TESTS PERFORMED. CONTINUE NORMAL PM & SAMPLE INTERVAL *WE CAN ONLY SUGGEST EXTENDED OIL DRAINS FOR SCHAEFFER PRODUCTS	<b>ATTENTION CODES</b>	
		AAA Acceptable !!! Critical EEE Excessive *** Severe CCC Severe - Below === Caution --- Slightly Above Normal LLL Slightly Below Normal TTT Trend	NNN Negative DDD Critical - Below MMM Moderate BBB Caution - Below

ASTM D6595M (PPM) WEAR METALS (click here)										MULTISOURCE							ADDITIVES							
IRON	CHROMIUM	LEAD	COPPER	TIN	ALUMINUM	NICKEL	SILVER	CADMIUM	VANADIUM	SILICON	BORON	SODIUM	POTASSIUM	MAGNESIUM	TITANIUM	MOLYBDENUM	MANGANESE	LITHIUM	ANTIMONY	CALCIUM	PHOSPHORUS	ZINC	BARIUM	
Lab #: 1475120 Dt Tkn: 1/8/2025 Dt Recd: 1/27/2025 HrO: HrU: MiO: 7000 MiU: 231035 Make Up Oil: 0 qts																								
7	0	2	0	2	1	0	0	0	0	2	1	3	0	920	0	58	0	0	0	924	1039	1423	0	

Testing performed at Predictive Maintenance Services. ISO/IEC 17025 accredited laboratory ANAB certificate number AT-2513. This report may not be reproduced in any form except in full. Remarks and comments are advisory only and are based on the assumption that the sample is representative and data submitted is valid. Missing information limits the evaluation. Predictive Maintenance Services shall not be held liable for and no warranty or guarantee of past, present, or future performance or failure of the equipment based on the analysis provided is assumed. BURRUS SEED FARMS Assumes responsibility for the application of results and recommendations. Measurement uncertainty available upon request. (\*) Not in the scope of accreditation. (#) Not in the scope of accreditation and testing outsourced to an approved laboratory.

**BURRUS SEED FARMS INC**  
**DOUG WILSON**  
**826 ARENZVILLE RD**  
**ARENZVILLE, IL 62611**

FAX: 217-997-5522  
 PHONE: 217-997-5511  
 SAMPLE TYPE: **OIL**  
 SAMPLE SHIP TIME (days): 11

COMPANY NAME: BURRUS SEED FARMS INC  
 CUSTOMER EQUIP NUM: 12  
 COMPARTMENT NAME: ENGINE TRUCK  
 SERIAL NUMBER: 2FZNDLCB1YAB61889  
 MANUFACTURER: STERLING  
 MODEL: 1999  
 JOB SITE:  
 EXT WARR NUMBER:

SHOP JOB NUM:  
 COMP SERIAL NUM:  
 COMPARTMENT MODEL:  
 COMP MANUFACTURER: CUMMINS  
 SAMPLE LABEL NUM: PREPAID  
 FLUID BRAND/WEIGHT: FARMSEV/15W-40  
 FLUID TYPE: SUPREX GOLD  
 EXT WARR EXPIRE DATE:  
 FUEL CONSUMED:



sos@altorfer.com  
 2600 6th St. SW  
 Cedar Rapids, IA 52404-3504  
 319-365-0551  
 sos@altorfer.com

LAB CONTROL NUMBER	SAMPLE DATE	PROCESS DATE	EQUIPMENT METER	METER ON FLUID	FLUID CHANGED	MAKE UP FLUID	MAKE UP FLUID UNITS	FILTER CHANGED
B030-51033-0045	22-Jan-2021	02-Feb-2021	221814 MI	6523 MI	Yes			Yes
<div style="border: 1px solid black; padding: 2px;">No Action Required</div> RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS. NOTE LENGTH OF TIME SINCE LAST SAMPLE TAKEN. INTERMITTENT USAGE CAN CAUSE HIGH READINGS. SUGGEST RESAMPLE IN 6 MONTHS OR AT HALF THE NORMAL INTERVAL, WHICHEVER COMES FIRST, TO MONITOR TREND.								
B030-49035-0009	30-Jan-2019	04-Feb-2019	215291 MI	4885 MI	Yes	6	GAL	Yes
<div style="border: 1px solid black; padding: 2px;">No Action Required</div> NOTE LENGTH OF TIME SINCE LAST SAMPLE TAKEN. INTERMITTENT USAGE CAUSES HIGH READINGS. WE NEED MORE HISTORY ESTABLISHED TO ACCURATELY EVALUATE EQUIPMENT CONDITION. WEAR PATTERN IS ACCEPTABLE AT THIS TIME. OIL WAS CHGD AT THIS TIME. RESAMPLE AT NORMAL INTERVAL TO ESTABLISH A TREND. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.								

Wear Metals (ppm)	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	B	Mo	Ni	Ag	Ti	V	Mn	Cd	Ca	Mg	Zn	P	Ba
B030-51033-0045	1	15	1	1	3	0	3	2	3	1	63	0	0	0	0	0	0	1018	986	1237	944	0
B030-49035-0009	1	15	1	1	0	0	2	1	2	1	62	0	0	0	0	0	0	1139	1075	1314	1093	0

Oil Condition / Particle Count (ct/ml)	ST	OXI	NIT	SUL	W	A	F	V100
B030-51033-0045	2	18	8	21	N	N	N	13.0
B030-49035-0009	1	16	8	20	N	N	N	13.2

Ag = Silver, Al = Aluminum, B = Boron, Ca = Calcium, Cr = Chromium, Cu = Copper, Fe = Iron, P = Phosphorus, K = Potassium, Li = Lithium, Mg = Magnesium, Mo = Molybdenum, Na = Sodium, Ni = Nickel, Pb = Lead, Si = Silicon, Sn = Tin, S = Sulphur, V = Vanadium, Zn = Zinc, A = Antifreeze, F = Fuel, W = Water, P = Positive, N = Negative, T = Trace, E = Excessive, NIT = Nitration, OXI = Oxidation, ST = Soot, SUL = Sulfation, ISO = ISO Rating, PFC = Percent Fuel Content, PQI = Particle Quantifying Index, NaW = Salt Water, FL Pt = Flash Point, TAN = Total Acid Number, TBN = Total Base Number, H2O = Karl Fisher result, V100 = Viscosity@100C, V40 = Viscosity@40C, PVI = Partide Volume Indicator

Notice: This analysis is intended as an aid in predicting mechanical wear. No guarantee, expressed or implied, is made against failure of this piece of equipment or a component thereof.

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**826 ARENZVILLE RD**  
**ARENZVILLE, IL 62611**

FAX: 217-997-5522

PHONE: 217-997-5511

SAMPLE TYPE: **OIL**

SAMPLE SHIP TIME (days): 5

COMPANY NAME: BURRUS SEED FARMS INC

CUSTOMER EQUIP NUM: 12

COMPARTMENT NAME: ENGINE TRUCK

SERIAL NUMBER: 12\_BURRUS\_B030

MANUFACTURER: STERLING

MODEL: 1999

JOB SITE:

EXT WARR NUMBER:

SHOP JOB NUM:

COMP SERIAL NUM:

COMPARTMENT MODEL:

COMP MANUFACTURER: CUMMINS

SAMPLE LABEL NUM: PREPAID

FLUID BRAND/WEIGHT: FARMSERV/15W-40

FLUID TYPE: SUPREX GOLD

EXT WARR EXPIRE DATE:

FUEL CONSUMED:



sos@altorfer.com  
**2600 6th St. SW**  
**Cedar Rapids, IA 52404-3504**  
**319-365-0551**  
 sos@altorfer.com

LAB CONTROL NUMBER	SAMPLE DATE	PROCESS DATE	EQUIPMENT METER	METER ON FLUID	FLUID CHANGED	MAKE UP FLUID	MAKE UP FLUID UNITS	FILTER CHANGED
B030-49035-0009	30-Jan-2019	04-Feb-2019	215291 MI	4885 MI	Yes	6	GAL	Yes
<div style="border: 1px solid green; padding: 2px;">No Action Required</div> NOTE LENGTH OF TIME SINCE LAST SAMPLE TAKEN. INTERMITTENT USAGE CAUSES HIGH READINGS. WE NEED MORE HISTORY ESTABLISHED TO ACCURATELY EVALUATE EQUIPMENT CONDITION. WEAR PATTERN IS ACCEPTABLE AT THIS TIME. OIL WAS CHG'D AT THIS TIME. RESAMPLE AT NORMAL INTERVAL TO ESTABLISH A TREND. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.								
B030-44111-0022	16-Apr-2014	21-Apr-2014	204223 MI	7222 MI	Yes			Yes
<div style="border: 1px solid green; padding: 2px;">No Action Required</div> WEAR METAL ANALYSIS RESULTS ARE NORMAL. INFRARED ANALYSIS RESULTS ARE ACCEPTABLE. WATER/FUEL/GLYCOL PHYSICAL TESTS ARE NEGATIVE. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.								

Wear Metals (ppm)																						
	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	B	Mo	Ni	Ag	Ti	V	Mn	Cd	Ca	Mg	Zn	P	Ba
B030-49035-0009	1	15	1	1	0	0	2	1	2	1	62	0	0	0	0	0	0	1139	1075	1314	1093	0
B030-44111-0022	0	12	0	0	0	0	1	3	2	1	42	0	0	0	0	0	0	1207	901	1283	1083	0

Oil Condition I									
	Particle Count (ct/ml)	ST	OXI	NIT	SUL	W	A	F	V100
B030-49035-0009	1	16	8	20	N	N	N	N	13.2
B030-44111-0022	0	13	6	17	N	N	N	N	13.4

Ag = Silver, Al = Aluminum, B = Boron, Ca = Calcium, Cr = Chromium, Cu = Copper, Fe = Iron, P = Phosphorus, K = Potassium, Li = Lithium, Mg = Magnesium, Mo = Molybdenum, Na = Sodium, Ni = Nickel, Pb = Lead, Si = Silicon, Sn = Tin, S = Sulphur, V = Vanadium, Zn = Zinc, A = Antifreeze, F = Fuel, W = Water, P = Positive, N = Negative, T = Trace, E = Excessive, NIT = Nitration, OXI = Oxidation, ST = Soot, SUL = Sulfation, ISO = ISO Rating, PFC = Percent Fuel Content, PQI = Particle Quantifying Index, NaW = Salt Water, FL Pt = Flash Point, TAN = Total Acid Number, TBN = Total Base Number, H2O = Karl Fisher result, V100 = Viscosity@100C, V40 = Viscosity@40C, PVI = Particle Volume Indicator

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ARENZVILLE, IL 62611-3007

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PHONE: 217-997-5511

SAMPLE TYPE: OIL

SAMPLE SHIP TIME (days): 5

COMPANY NAME: BURRUS SEED FARMS INC

CUSTOMER EQUIP NUM: 12

COMPARTMENT NAME: ENGINE TRUCK

SERIAL NUMBER: 12\_BURRUS\_B030

MANUFACTURER: STERLING

MODEL: 1999

JOB SITE:

EXT WARR NUMBER:

SHOP JOB NUM:

COMP SERIAL NUM:

COMPARTMENT MODEL:

COMP MANUFACTURER: CUMMINS

SAMPLE LABEL NUM: PREPAID

FLUID BRAND/WEIGHT: CENEX/15W-40

FLUID TYPE:

EXT WARR EXPIRE DATE:

FUEL CONSUMED:



Tking@altorfer.com  
2600 6th St. SW  
Cedar Rapids, IA 52404-3504  
319-365-0551 ext. 2237  
www://Altorfer.com/

LAB CONTROL NUMBER	SAMPLE DATE	PROCESS DATE	EQUIPMENT METER	METER ON FLUID	FLUID CHANGED	MAKE UP FLUID	MAKE UP FLUID UNITS	FILTER CHANGED
B030-44111-0022	4/16/14	4/21/14	204223 MI	7222 MI	Yes			Yes
<div style="border: 1px solid green; padding: 2px; display: inline-block;">No Action Required</div> WEAR METAL ANALYSIS RESULTS ARE NORMAL. INFRARED ANALYSIS RESULTS ARE ACCEPTABLE. WATER/FUEL/GLYCOL PHYSICAL TESTS ARE NEGATIVE. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.								

Wear Metals (ppm)	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	B	Mo	Ni	Ag	Ti	V	Mn	Cd	Ca	Mg	Zn	P	Ba
B030-44111-0022	0	12	0	0	0	0	1	3	2	1	42	0	0	0	0	0	0	1207	901	1283	1083	0

Oil Condition / Particle Count (ct/ml)	ST	OXI	NIT	SUL	W	A	F	V100
B030-44111-0022	0	13	6	17	N	N	N	13.4

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Ag = Silver, Al = Aluminum, B = Boron, Ca = Calcium, Cr = Chromium, Cu = Copper, Fe = Iron, P = Phosphorus, K = Potassium, Mg = Magnesium, Mo = Molybdenum, Na = Sodium, Ni = Nickel, Pb = Lead, Si = Silicon, Sn = Tin, V = Vanadium, Zn = Zinc, A = Antifreeze, F = Fuel, W = Water, P = Positive, N = Negative, T = Trace, E = Excessive, NIT = Nitration, OXI = Oxidation, ST = Soot, SUL = Sulfation, ISO = ISO Rating, PFC = Percent Fuel Content, PQI = Particle Quantifying Index, NaW = Salt Water, FL Pt = Flash Point, TAN = Total Acid Number, TBN = Total Base Number, H2O = Karl Fisher result, V100 = Viscosity@100C, V40 = Viscosity@40C

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