WEAR CONTAMINATION **FLUID CONDITION**

NORMAL **MARGINAL NORMAL**

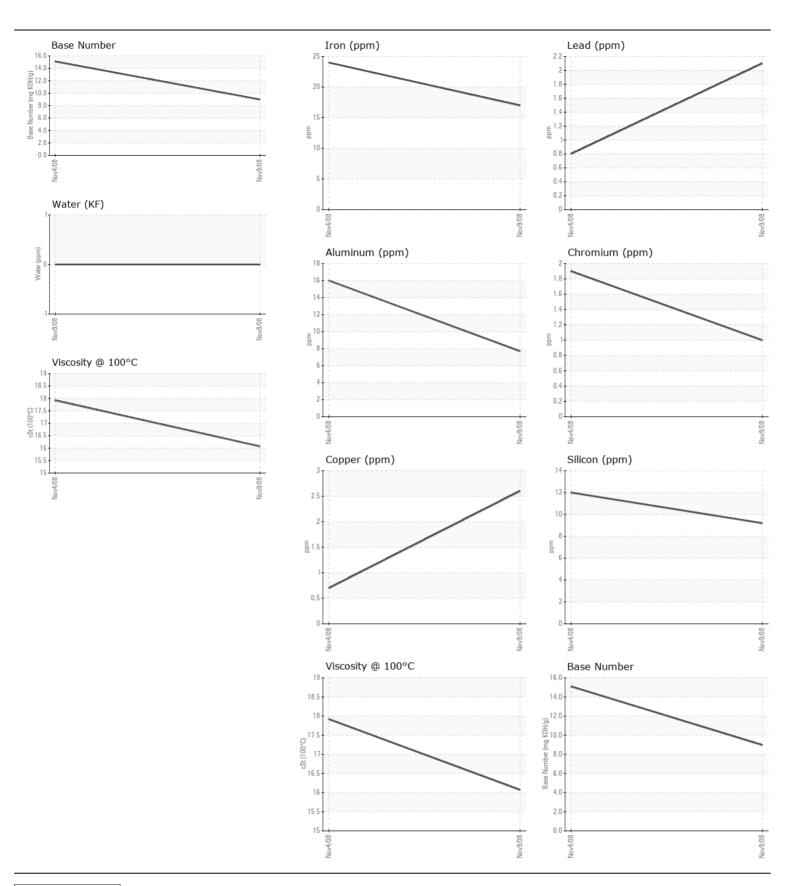
OIL ANALYSIS REPORT

Machine Id

#1

Component Diesel Engine

Test	UOM	Method	Limit/Abn	Current	History1	History
	JOIN		071011		,	
•				09 Nov 2008	04 Nov 2008	
	hrs					
		Client Info				
	hrs	Client Info		250	350	
•		Client Info		Changed	Not Changd	
		Client Info		_	Not Change	
_				NORMAL	NORMAL	
Iron	ppm	ASTM D5185m				
Chromium	ppm					
	ppm					
	ppm			<1	1	
Silver	ppm			<1		
Aluminum	ppm			8	16	
Lead	ppm	ASTM D5185m		2	<1	
Copper	ppm	ASTM D5185m		3	<1	
Tin	ppm	ASTM D5185m		0	0	
Vanadium	ppm	ASTM D5185m		0	0	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silioon	nnm	ACTM DE105m		Δ	10	
	ррпп			-	-	
	0/2					
	70					
-	0/2					
			NONE	-		
			TTOTANE			
Sodium	ppm	ASTM D5185m		7	7	
Boron	ppm	ASTM D5185m		22	5	
Barium	ppm	ASTM D5185m		0	<1	
Molybdenum	ppm	ASTM D5185m		116	14	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m		14	28	
Calcium	ppm	ASTM D5185m		3915	5950	
Phosphorus	ppm	ASTM D5185m		1261	1108	
Zinc	ppm	ASTM D5185m		1504	1409	
Sulfur	ppm	ASTM D5185m		4781	9495	
Oxidation	Abs/.1mm	*ASTM D7414		18.	11.	
	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Yellow Metal Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	Sample Number Sample Date Machine Age hrs Oil Age hrs Filter Age hrs Oil Changed Filter Changed Sample Status Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Yellow Metal scalar Silicon ppm Potassium ppm Fuel Water % Glycol Soot % % Nitration Abs/Imm Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Codor scalar Emulsified Water scalar Sodium ppm Boron ppm Boron ppm Molybdenum ppm Manganese ppm Magnesium clicum ppm Phosphorus Zinc ppm	Sample Number Sample Date Machine Age Oil Age hrs Client Info ASTM D5185m Phosphorus Ppm ASTM D5185m ASTM D5185m ASTM D5185m Phosphorus Ppm ASTM D5185m ASTM D5185m Phosphorus Ppm ASTM D5185m Phosphorus Ppm ASTM D5185m Phosphorus Ppm ASTM D5185m	Sample Number Sample Date Machine Age hrs Client Info Oil Age hrs Client Info Oil Age hrs Client Info Oil Changed Filter Age Oil Changed Filter Changed Sample Status Iron Chromium ppm ASTM D5185m Chromium ppm ASTM D5185m Nickel ppm ASTM D5185m ASTM D5185m Aluminum ppm ASTM D5185m Copper ppm ASTM D5185m Vanadium ppm ASTM D5185m Vite Metal Scalar Yellow Metal Scalar Yellow Metal Scalar Visual NONE Silicon Potassium Potassium Potassium Potassium Abs/cm Astm D5185m Fuel WC Method Soot % ASTM D5185m ASTM D5185m Fuel WC Method Soot % ASTM D5185m Fuel NONE Sand/Dirt Scalar Visual NONE Sand/Dirt Scalar Visual NONE Sand/Dirt Scalar Visual NONE Sand/Dirt Scalar Appearance Scalar Visual NONE Sand/Dirt Scalar Appearance Scalar Ayisual NONE Sand/Dirt Scalar Ayisual NONE Sand/Dirt Scalar Ayisual NONE Appearance Scalar Ayisual Ap	Sample Number Client Info TR02296842 Sample Date Client Info 09 Nov 2008 Machine Age hrs Client Info 0 Oil Age hrs Client Info 250 Filter Age hrs Client Info Changed Oil Changed Client Info Changed Filter Changed Client Info Changed Sample Status Client Info Changed Iron ppm ASTM D5185m 1 Iron ppm ASTM D5185m 1 Nickel ppm ASTM D5185m 1 Nickel ppm ASTM D5185m -1 Silver ppm ASTM D5185m -1 Aluminum ppm ASTM D5185m 2 Copper ppm ASTM D5185m 3 Tin ppm ASTM D5185m 0 Vanadium ppm ASTM D5185m 0 Vanadium ppm ASTM D5185m 0 Vellow Metal	Sample Number Sample Date Client Info Glient Info Q9 Nov 2008 04 Nov 2008 04 Nov 2008 04 Nov 2008 05 Nov 2008





Laboratory Sample No.

Lab Number : 02296842 Unique Number : 4651432

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : TR02296842

Received Tested

Diagnosed Test Package : MOB 2 (Additional Tests: KF)

: 24 Nov 2008 : 24 Nov 2008 - Doug Bogart

: 21 Nov 2008

PAWLIK FARMS P.O. BOX 4467 MCALLEN, TX US 78502 Contact: STEVE SMITH

To discuss this sample report, contact Customer Service at 1-800-827-0711.

* - 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)

T:

F: