

**UNIT ID**  
FEDELERS-MX210 E  
**SECOND ID**  
2006 MX210  
**UNIT TYPE**  
DIESEL ENGINE  
**APPLICATION**  
AGRICULTURAL

# Oil Analyzers INC.

**COMPANY INFORMATION**  
SMITH REPAIR  
DON SMITH  
563-237-6536  
2865 UNION AVE  
FREDERICKSBURG , IA 50630

**ACCOUNT NUMBER** OILANA23680000  
**DATE SAMPLED** 11/06/10  
**DATE RECEIVED** 11/19/10  
**DATE COMPLETED** 11/22/10

**TRACKING #** 10047T05104  
**MANUFACTURER/MODEL** CASE-IH MX210  
**LUBE MFR** AMSOIL  
**LUBE TYPE - GRADE** SAE 5W30  
**MICRON RATING** 0  
**FILTER TYPE** BYPASS  
**SUMP CAPACITY** 6.00  
**HYD SYSTEM PRESSURE** 0  
**FLUID ADDED** 0

**OVERALL SEVERITY OF REPORT**  
based on comments, not individual flags



**LAB #** 875595    **LOCATION** I    **ANALYST** KMS

**FLUID ANALYSIS REPORT - 877-458-3315**

**COMMENTS** Data flagged for observation only; Iron is at a MINOR LEVEL; IRON SOURCE in engines can be cylinder liners, iron pistons, hardened steel camshafts, crankshafts, gears, hardened rocker arms, valve bridges, alloyed steel cam follower rollers, etc.; FLAGGED ADDITIVE levels indicate slight LUBE MIXING; Please provide missing lube type (PRODUCT NAME); Oil is suitable for continued use. Observe for trends in future tests.

SAMP #	WEAR METALS PPM										CONTAMINANT METALS - PPM				MULTI-SOURCE METALS - PPM					ADDITIVE METALS PPM				
	IRON	CHROMIUM	NICKEL	ALUMINUM	COPPER	LEAD	TIN	CADMIUM	SILVER	VANADIUM	SILICON	SODIUM	POTASSIUM	TITANIUM	MOLYBDENUM	ANTIMONY	MANGANESE	LITHIUM	BORON	MAGNESIUM	CALCIUM	BARIUM	PHOSPHORUS	ZINC
1	14	0	0	4	4	0	1		0	0	14	0	0	0	10		0		14	22	3860	0	1275	1589
2	24	1	0	2	5	1	0		0	0	9	8	0	0	7		0		7	19	3616	0	1186	1463
3	47	1	0	3	5	1	1	0	0	0	8	7	2	0	1	0	0	0	5	12	4186	0	1281	1461

SAMP #	DATE SAMPLED	UNIT TIME	LUBE CHG	FILTER CHG	FUEL est	SOOT Vol.	WATER Infrared	VIS 40C CS	VIS 100C CS	TAN Total Acid	TBN Total Base	I-R OXIDA	I-R NITRA	ISO CODE	4	6	10	14	21	38	70	100	
															MICRON	MICRON	MICRON	MICRON	MICRON	MICRON	MICRON		
1	01/22/08 01/29/08	778 194	N	U	<1%	0.9%	<.1		10.4		9.22												
2	12/05/08 12/10/08	1050 272	N	U	0.9%	0.1%	<.1		10.4		9.32	26	16										
3	11/06/10 11/19/10	1600 1200	N	N	<1%	0.2%	<.1		10.9		9.74	38	16										

SAMP #																							
1																							
2																							
3																							

Comments are advisory only and are based on the assumption that the sample and data submitted are valid. Missing lube or unit time limits the evaluation. No warranty is expressed or implied.