

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 | 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 |
|--------|---|---|---|
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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.