

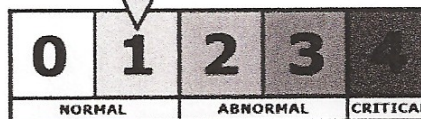
# Oil Analyzers INC.

139 W GREENE ST  
 POSTVILLE, IA 52162

UNIT ID:  
 6 E  
 SECOND ID  
 UNIT TYPE  
 DIESEL ENGINE  
 APPLICATION  
 O-T-R TRUCKING

ACCOUNT NUMBER OILANA75001149  
 DATE SAMPLED 07/31/08  
 DATE RECEIVED 08/04/08  
 DATE COMPLETED 08/05/08

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



TRACKING #: 08150N04399  
 MANUFACTURER/MODEL: CUMMINS ISM  
 LUBE MFR: AMSOIL  
 LUBE TYPE - GRADE: HDD SERIES 3000 SYN HD DIESEL SAE SW30  
 MICRON RATING: 15  
 FILTER TYPE: FULLFLOW \_ BYPASS  
 SUMP CAPACITY: 0.00  
 HYD SYSTEM PRESSURE: 0  
 FLUID ADDED: 1

LAB # 881230 LOCATION I ANALYST RNF

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

COMMENTS Data flagged for observation only; Soot is at a MINOR LEVEL; Flagged additive levels are higher than expected for the lubricant that is identified (This does not imply that the lubricant does not meet proper API, SAE or ISO classifications.);

| SAMP # | WEAR METALS PPM |        |          |        | CONTAMINANT METALS - PPM |        |           |            | MULTI-SOURCE METALS - PPM |           |         |       | ADDITIVE METALS PPM |         |        |   | PHOSPHORUS | ZINC |    |     |      |   |      |      |
|--------|-----------------|--------|----------|--------|--------------------------|--------|-----------|------------|---------------------------|-----------|---------|-------|---------------------|---------|--------|---|------------|------|----|-----|------|---|------|------|
|        | IRON            | COPPER | ALUMINUM | CHROME | SILICON                  | SODIUM | POTASSIUM | MOLYBDENUM | ANTIMONY                  | MANGANESE | LITHIUM | BORON | MAGNESIUM           | CALCIUM | BARIUM |   |            |      |    |     |      |   |      |      |
| 1      | 26              | 0      | 0        | 2      | 28                       | 7      | 1         | 0          | 0                         | 0         | 0       | 4     | 3                   | 0       | 3      | 0 | 0          | 0    | 29 | 121 | 3897 | 0 | 1294 | 1548 |

| SAMP # | DATE SAMPLED | UNIT TIME | LUBE | CHG | CHG | % Vol. | % Mass | Infared | 40°C cSt | 100°C cSt | Total Acid | Total Base | I-R au/cm | I-R au/cm | ISO | M | M | M | M | M | M | M | M | M |
|--------|--------------|-----------|------|-----|-----|--------|--------|---------|----------|-----------|------------|------------|-----------|-----------|-----|---|---|---|---|---|---|---|---|---|
|        |              |           |      |     |     |        |        |         |          |           |            |            |           |           |     |   |   |   |   |   |   |   |   |   |
| 1      | 07/31/08     | 218849    | N    | N   | <.5 | 2.2    | <.1    |         | 12.1     | 3.96      | 34         | 21         |           |           |     |   |   |   |   |   |   |   |   |   |

SAMP #  
 1

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.

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