



Unit ID: 2014 RAM ENGINE  
 Client ID: S16127 NATE MASON JR  
 Unit Type: DIESEL ENGINE  
 Unit Make: DODGE  
 Unit Model: RAM 3500  
 Component Make: NONE GIVEN  
 Component Model: NONE GIVEN

Year: 2014  
 Lube Type: SCHAEFFER 7000  
 Grade: 15W/40  
 Capacity:  
 Oil Changed:

ATTENTION CODE:

Normal

## Condition Monitoring Report

|         |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| REMARKS | *WEAR AND CONTAMINATION LEVELS APPEAR NORMAL. NO CORRECTIVE ACTION IS INDICATED BY TESTS PERFORMED. CONTINUE NORMAL OEM MAINTENANCE & SAMPLE INTERVALS. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|         | <b>ATTENTION CODES</b><br><div> <div>AAA</div> <div>Acceptable</div> </div> <div> <div>NNN</div> <div>Negative</div> </div>                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|         | <div> <div>!!!</div> <div>Critical</div> </div> <div> <div>DDD</div> <div>Critical - Below</div> </div>   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|         | <div> <div>EEE</div> <div>Excessive</div> </div> <div> <div>MMM</div> <div>Moderate</div> </div>  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|         | <div> <div>***</div> <div>Severe</div> </div> <div> <div>CCC</div> <div>Severe - Below</div> </div>   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|         | <div> <div>===</div> <div>Caution</div> </div> <div> <div>BBB</div> <div>Caution - Below</div> </div>   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|         | <div> <div>---</div> <div>Slightly Above Normal</div> </div> <div> <div>LLL</div> <div>Slightly Below Normal</div> </div>                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|         | <div> <div>TTT</div> <div>Trend</div> </div>  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

| ASTM D6595 (PPM) WEAR METALS  |          |      |        |     |          |        |        |         |          | 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 #: 787066 Dt Tkn: 2/1/2018 Dt Recd: 2/6/2018 HrO: HrU: MiO: 14188 MiU: 88240 Make Up Oil: 0 qts |          |      |        |     |          |        |        |         |          |             |       |        |           |           |          |            |           |         |          |           |            |      |        |
| 46  | 1        | 4    | 3      | 0   | 25       | 1      | 0      | 0       | 0        | 3           | 10    | 5      | 53        | 774       | 0        | 37         | 1         | 0       | 14       | 915       | 1116       | 1134 | 0      |

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| AN / BN<br>(mg KOH/g)        |  | VISCOSITY ASTM D445 |                  |               | CONTAMINANTS  |                 |                           |                      |                         | FTIR - abs units    |                     |
|------------------------------|--|---------------------|------------------|---------------|---|-----------------|---------------------------|----------------------|-------------------------|---------------------|---------------------|
| Acid Number                  | Base Number  | VISC<br>40c cSt     | VISC<br>100c cSt | VISC<br>INDEX | %WATER  | KFISCH<br>(PPM) | FUEL<br>(FTIR/ASTM D7094) | GLYC<br>(ASTM D2982) | SOOT<br>(ASTM<br>D7844) | OXI<br>(ASTM D7414) | NIT<br>(ASTM D7624) |
| a = ASTM D974<br>b=ASTM D664 | a = Lab Method WI-038<br>b = ASTM D4739<br>c = ASTM D2896* |                     |                  |               | a = Crackle Test k = ASTM D6304a v = ASTM D6304b* o = ASTM D6304c<br>r=Refractometer* |                 |                           |                      |                         |                     |                     |
| 787066                       | 6.18 (a)   |                     | 14.17            |               | < 0.1 (a)   |                 |                           | N<br>NNN             | 0.46                    | 17                  | 0.45                |

| PARTICLE COUNT ISO 4406 - Particles per mL |       |       |        |        |        |        |     |
|--|-------|-------|--------|--------|--------|--------|-----|
|  | >4(c) | >6(c) | >14(c) | >21(c) | >38(c) | >70(c) | ISO |
| 787066                                     | 0     | 0     | 0      | 0      | 0      | 0      | //  |

Reviewed and Approved by: LE

*Lisa Espenschied, Analyst*

Report Date: 02-08-2018

NATE MASON JR  
PO BOX 1513  
ANDOVER OH  
44003