lubrication and cooling

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|  |  |  |  |  |  |  |  |  |  |  |  |  | T |  |  | R |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 3  H | E | A | T | E | R | M | A | T | R | I | X |  | 4  C |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  | R |  |  | N |  |  |  |  |  | A |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  | P |  |  | K |  |  |  |  |  | R |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  | 6  T | E | M | P | E | R | A | T | U | R | E |  | N |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | F |  |  |  | S |  | O |  |  |  |  |  |  |  |
|  | 7  S | O | C | I | E | T | Y | O | F | A | U | T | 8  O | M | O | T | I | V | E | E | N | G | I | N | E | E | R | S |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  | I |  |  |  |  |  |  | R |  | E |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  | L |  |  |  |  |  |  | V |  | N |  |  |  |  |  |  |  |
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|  |  |  |  |  |  | 9  C | O | N | D | U | C | T | I | O | N |  |  |  |  | O |  | C |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  | 10  A | N | T | I | F | R | E | E | Z | E |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Across**  **3.** what dose the interior heating?  **6.** what effects the oil viscosity?  **7.** what dose SAE stand for?  **9.** what is the word used to describe heat transfer from one solid to another?  **10.** what increases boiling temperature and stops corrosion? | **Down**  **1.** how dose the cooling flow around the system?  **2.** what is one of the main components that oil lubricates?  **4.** what is a main hazard associated with oil?  **5.** where dose the expanding coolant go to stop cracks?  **8.** what filters the oil? |