lubrication and cooling

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  T |  |  |  R |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 3H |  E |  A |  T |  E |  R |  M |  A |  T |  R |  I |  X |  | 4C |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  R |  |  |  N |  |  |  |  |  |  A |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  P |  |  |  K |  |  |  |  |  |  R |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  U |  |  |  S |  |  |  |  |  |  C |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  M |  |  |  H |  |  |  | 5R |  |  I |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | 6T |  E |  M |  P |  E |  R |  A |  T |  U |  R |  E |  |  N |  |  |  |  |  |  |  |
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|  | 7S |  O |  C |  I |  E |  T |  Y |  O |  F |  A |  U |  T | 8O |  M |  O |  T |  I |  V |  E |  E |  N |  G |  I |  N |  E |  E |  R |  S |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  I |  |  |  |  |  |  |  R |  |  E |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  F |  |  |  |  |  |  |  I |  |  I |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 9C |  O |  N |  D |  U |  C |  T |  I |  O |  N |  |  |  |  |  O |  |  C |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  L |  |  |  |  |  |  |  R |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  | 10A |  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? |