

## Chapter 15

### Lubrication System Operation And Diagnosis

P O S I T I V E D I S P L A C E M E N T P U M P S  
 J T N Q P N N F R Q N H R R G K P K N W W J Y T P  
 V W E T S U M P N H R T N H K D B O K L C M M L R  
 H Y D R O D Y N A M I C L U B R I C A T I O N M E  
 R M N X M T Y W K D V E R J B T R H F Z R K G T S  
 O O J L W Z J Z V T P M D R A Z V K X L N T X G S  
 T Q I K Z R T H D Y F R X C V X Z X H G K P T H U  
 O M L L V K B Y T V P R I J H C A V I T A T E K R  
 R T T T P R O R B Z B R D D K R T Q X M M L K K E  
 T N M F L R O I L B B D R Q Q X R T P F N R X C R  
 Y Z Y K L T E V L U F Y V I S C O S I T Y X N H E  
 P C G P O D G S L P R W L L G C L D B W B E T P G  
 E M M R V D D Y S E A L L N C M B D H P R T M F U  
 P U E F Z Y R V L U C S F M R M C R V U K M L R L  
 S G Y M G A F O C P R Y S W N Y C L T Y L K O K A  
 T P M R D M O W W Q P E R A I Q V A P W D T Y R T  
 L L B N R C O D Z Z D S R V G N R M W D O G O L I  
 L W U Y L G I J N C N Z I M D E D X X R T G I J N  
 M O X I F L L M N Y P T K D P B S A E G Y A L N G  
 B Y O Z T T P K F C L L B M R P Z G G W K L P W V  
 R Z H F Q C U M X J T D E T W Y N Q D E Y L A N A  
 R M M T V W M R H B R T W N F H S L N R T E N R L  
 M N X M T J P K C H L L R K F J K U R V H R C H V  
 R V W M H V M K R I Q K G F K F T C M N K Y A H E  
 D P N P X D N M O Z T C G N P V M J H P X T L Y Q

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Boundary lubrication	Oil cooler	Pressure regulating valve
Cavitate	Oil pan	PSI
Dry sump	Oil passages	Rotor type
Gallery	Oil pressure	Sump
Gerotor	Oil pump	Viscosity
Gerotor type	Oil temperature	Wet sump
Hydrodynamic lubrication	Positive displacement pumps	Windage tray