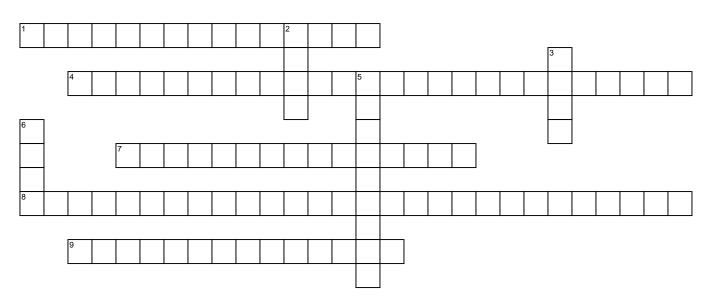


## Chapter 4 Diesel Engine Lubrication Systems



## **ACROSS**

1	of mixing with other oils without causing
	any problems, such as sludge.
4	is an organization working with the
	engine manufacturers and oil companies, has
	established an engine oil performance
	classification.
7	is a number of chemicals that will help
	each other can be used for oil additive
	requirements.
8	is a U.Sbased, globally active
	professional association and standards
	developing organization for engineering
	professionals in various industries.
9	is the change in oil viscosity between
	the cold and hot extremes

## **DOWN**

2	is a European association that rates oil.
3	is high temperature/high shear rate
	viscosity.
5	is the use of engine oil as a coolant,
	typically to remove surplus heat from an internal
	combustion engine.
6	is sulfated ash, phosphorous, and
	sulfur.