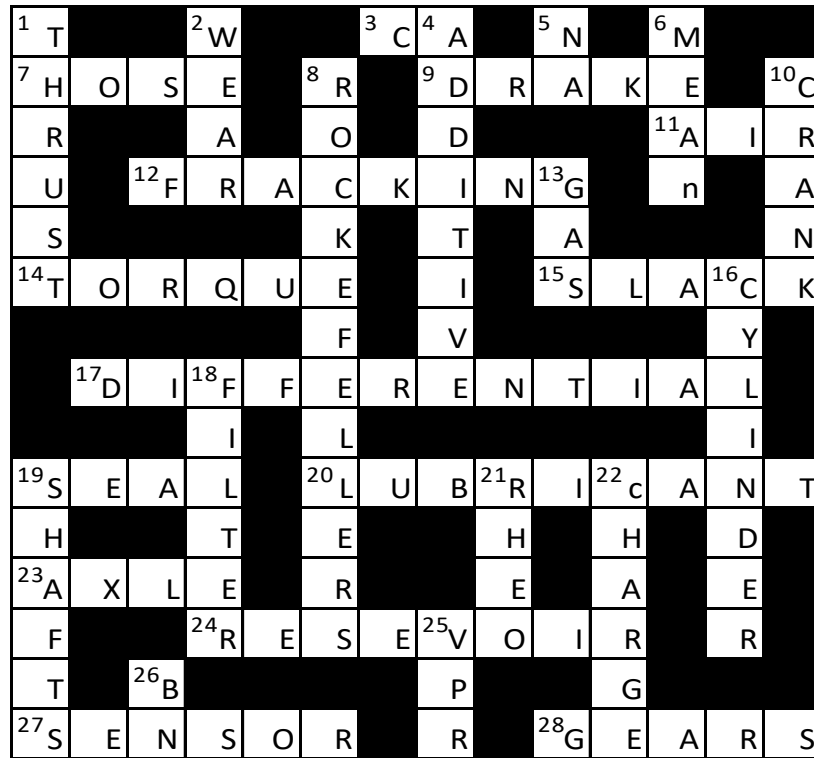


Crossword 01



ACROSS

- 3 CA A chemical element commonly used in engine oils for cleaning and dispersing contaminants.
- 7 HOSE A flexible tube used to carry liquids or gases in various systems.
- 9 DRAKE A famous figure in the oil industry, known for making the first oil strike.
- 11 AIR A common substance that is filtered in engines to ensure optimal performance.
- 12 FRACKING A method used to extract oil and gas by injecting high-pressure fluid into rock.
- 14 TORQUE The rotational force that causes an object to rotate around an axis.
- 15 SLACK The amount of loose play or excess movement in mechanical systems.
- 17 DIFFERENTIAL A gear system that allows wheels to rotate at different speeds.
- 19 SEAL A component used to prevent the leakage of fluids in machines or engines.
- 20 LUBRICANT A substance used to reduce friction and wear between moving parts in engines.
- 23 AXLE A central shaft for a rotating wheel or gear, crucial for vehicle movement.
- 24 RESEVOIR A storage container that holds fluids like coolant or oils.
- 27 SENSOR A device that detects changes in physical conditions, often used for monitoring.
- 28 GEARS Interlocking mechanical parts that transmit torque and motion in machinery.

DOWN

- 1 THRUST The forward force produced by engines or turbines to propel an object.
- 2 WEAR The gradual loss of material due to friction or use over time.
- 4 ADDITIVE A substance added to oil to enhance its properties and performance.
- 5 NA The presence of this element in engine oils indicates an internal coolant leak.
- 6 MEAN The statistical average of a set of values or measurements. Used to determine rate of wear.
- 8 ROCKEFELLERS A historical family whose company monopolised the oil industry during its early stages.
- 10 CRANK A component that converts linear motion into rotational motion in an engine.
- 13 GAS A crude oil derivative collected from the top trays of the fractionating column.
- 16 CYLINDER The part of an engine where fuel is burned to produce power.
- 18 FILTER A device that removes contaminants from fluids to ensure clean operation.
- 19 SHAFTS Rotating components that transmit mechanical power within a system.
- 21 RHEO Refers to the measurement of fluid flow or viscosity.
- 22 CHARGE The mixture of fuel and air that enters an engine cylinder for combustion.
- 25 VPR A testing method used to assess varnish formation.
- 26 BN A measure of an oil's alkalinity, indicating its ability to neutralise acids.

Done By : Rivendren Moodley

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