

INFLUENCE OF GAS OIL ON COMPRESSIVE STRENGTH OF CONCRETE

RAID AL-KHATEEB¹, HAIDER T. NAEEM² & BALEEGHSOOD ABDUL³

^{1,2,3}Department of Chemical Engineering, College of Engineering, Al-Muthanna University, Al-Muthanna, Iraq

²School of Materials Engineering, University Malaysia Perlis, Muhhiba, Perlis, Malaysia

ABSTRACT

This research studies the effect of water/gas oil on the compressive strength properties of the concert. The concrete cubic specimens were prepared by using sulfate resistance cement (AL-Muthanna cement) with mixing ratio (1:1.5:3) (cement: sand: coarse aggregate) concrete specimen cubic was prepared and socked in water and a mixture of water/gas oil (30%-70%) at room temperate for immersion age (7-28-56-88-118-148) days. The experimental results indicate that the percentage of reduction on compressive strength of concert immersed in water/gas oil deceased with different percentage (1, 15, 13, 4, 34, 35) % than the specimen in water for same age ofthe socking.

KEYWORDS: Concrete Mixture, Compressive Strength, Socking, Gas Oil