



Hydraulic Systems for Mobile Equipment (Hardback)

By Timothy W Dell

Goodheart-Wilcox Publisher, 2015. Hardback. Condition: New. Language: English . Brand New Book. Hydraulic Systems for Mobile Equipment is intended to educate students in off-road equipment and heavy truck programs. Although the text has a primary emphasis on agricultural and construction machinery, it can empower students working in any related field of hydraulics. To this end, it teaches and is correlated to the competencies of both AED Hydraulics/Hydrostatics Standards and the NATEF Heavy Trucks Task List. Designed for education, the text contains rich pedagogical support, thorough coverage of equipment and systems from a variety of manufacturers, and high-quality photos, drawings, and schematics. The scope and approach of the book make it appropriate for all students, whether they are pursuing a certificate, associate s degree, bachelor s degree, or a master s degree. - Includes traditional hydraulic content such as fluid power principles, pumps, motors, safety, valves, filtration, accumulators, plumbing, reservoirs, coolers, and fluids. - Includes fundamental explanation of the most common types of mobile hydraulic control systems, specifically open center, pressure compensating, pre-spool load sensing pressure compensating, post spool compensation (flow sharing), negative flow control, and positive flow control. - Provides fundamental instruction on hydrostatic transmissions with the goal of providing...



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