



# WESTRACK

# FACILITY



## WesTrack and NATC, Providing "One Stop" Testing Solutions in the Real World

The Nevada Automotive Test Center (NATC) is now offering an alternative solution for automotive, brake and tire tests that require high quality results at a down-to-earth cost. Highly reliable results are accomplished at the WesTrack facility by using database technology that allows for fast, easy access to results and test status that can be quickly relayed to the customer. Weekly reporting of test status by FAX or email is standard procedure, giving customers near real time ongoing results which enable them to make timely decisions on corrective actions or changes, and avoiding expensive delays and production false starts.

WesTrack is located 30 miles east of Carson City, Nevada (just a mile from NATC's proving ground). The facility offers a 1.8 mile, two lane, banked paved oval track for highway type tests. WesTrack is also equipped with a dedicated fording facility, a large shop facility, a conference room, a weather station, on-site trained technicians, eight channel Solid State Vehicle Recording System (SSVR) technology and direct access to NATC with its vast number of established test courses, facilities and test engineering expertise.

### Environmental/Operational Tire Tests

- Tire Performance Certification
- Tire/Suspension Optimization
- Tire Optimization for Anti-Lock Braking and Traction Control Systems
- Absorbed Power
- Terrain Analysis
- Noise
- Vibration
- Mobility
- Cornering
- Braking
- Traction
- Ride Characteristics
- Handling Characteristics
- Dynamic Contact Pressure
- Accelerated Irregular Wear
- Run Flat Device Quantification
- Catastrophic Failure Mode
- Uniformity

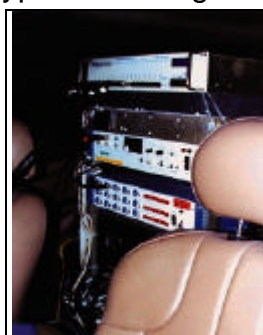


## NATC's Forging Facility at WesTrack

NATC has recently built an area dedicated to forging tests. The facility is 14 feet wide and can be used for forging up to 30 inches deep. It can be used with fresh water or water with a calculated salinity to simulate the World's oceans.



With its instrumentation and SSVR technologies, WesTrack can track one vehicle or a whole fleet of vehicles' testing progress with equal reliability. The SSVR is quickly and easily downloadable and collected data is automatically transferred into a database for accurate tracking of vehicle tests. The cost of testing is held lower because the focus is on rapid mileage accumulation in a controlled environment. This eliminates the need for personnel and equipment costs associated with many other types of testing.



### WesTrack has Complete Shop and Instrumentation Facilities and Conducts Tests to All of the Following Standards:



Over 35 ASTM Standards including:

- E274 - Skid Resistance
- E445 - Stopping Distance
- F377 Braking Force
- F870, F970 - Tread Footprints
- F1016 - Treadwear Data Analysis
- F1426 - Irregular Wear Patterns
- F1650 - Tire Traction Under Varying Conditions

- ISO 3888 - Obstacle Avoidance
- ISO 2631 - Ride Quality
- SAE J57 - Sound Level of Truck Tires
- SAE J341 - Truck and Bus Tire Performance
- SAE J1060 - Subjective Rating Scale
- SAE J1269, J1270, J1379, J1380 - Rolling Resistance
- SAE J2429 - Free-Rolling Cornering

- FMVSS 105, 121 and 135 - Braking
- CMVSS - Braking
- FMVSS 122 - Motorcycle Braking
- CMVSS 1106 - Noise Emission
- MIL-STD-1474 - Noise Limits
- SAE J331, J1287 - Motorcycle Noise
- SAE J366 and J1477 - Vehicle Noise
- SAE J1987 - Force and Moment
- SAE J2429 - Free-Rolling Cornering



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**Real Time, Real World Solutions™**