

Technical Bulletin

CHEVRON'S TIPS FOR DEALING WITH WATER DAMAGED VEHICLES

Chevron Global Lubricants recommends towing your car, truck or equipment to a qualified mechanic for inspection. Remember, the following steps offer general guidelines for checking potentially damaged equipment. If there is any doubt how to perform these procedures safely, be sure to consult a qualified mechanic.

HOW TO CHECK AND DEAL WITH POSSIBLE WATER DAMAGE

ENGINE CRANKCASE

- Check the dipstick for water.
- Check the crankcase oil level before starting the engine. If the oil level is too high, chances are that there is water in the crankcase. If *any* water is present, before starting the engine, drain and replace the crankcase oil and filter.
- A vehicle that has been submerged in water may have water in the engine cylinders. This can cause damage when the engine is turned over. To avoid problems, remove spark plugs and turn the engine over several revolutions with the starter to expel any water present.
- Replace the power steering fluid.

FUEL SYSTEM

- Remove air cleaner and ducting as required to determine if water is in the manifold, or the carburetor float bowl.
- If water is found, flush out injectors or carburetor, fuel pump and lines.
- Replace fuel filters and air cleaner.
- Check for water in the fuel tank.
- If water is found, drain the fuel tank and lines and refill with uncontaminated fuel.

TRANSMISSION AND DIFFERENTIAL

- Drain and replace lubricant.

• BRAKES

Inspect master cylinder reservoir for water. If found, flush system with air and then fresh brake fluid.

WHEEL BEARINGS

- Clean and repack grease-packed wheel bearings. Replace seals.

CHASSIS POINTS

- Grease all chassis fittings, including universal joints, clutch shaft linkage, parking brake cables, etc.

ELECTRICAL SYSTEM

- Dry out the vehicle. Water in electronic controls, electrical connectors and light sockets can result in corroded connectors and electrical malfunction.
- Remove battery cables at the battery. Inspect and replace if necessary, otherwise, clean, reinstall and tighten the cables.
- Remove distributor cap and remove all moisture from cap, rotor and other components, as well as plug-wire connectors.
- Remove moisture from alternators. Inspect bearings, repack, or replace as necessary.
- Remove moisture from starter motor, and starter solenoid.
- Pull spark plugs, and dry or replace as necessary.
- Further electrical work may be needed. The importance of a qualified mechanic cannot be stressed enough.

SPECIAL CONSIDERATIONS

- Be sure to check any unused petroleum products for possible water contamination.
- Make sure that any drained vehicle fluids are disposed of in a legal and environmentally sound manner.

Call Chevron's Technical Hotline at 1-800-LUBETEK (1-800-582-3835) if you have questions on your vehicle or any other lubricated equipment.

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