

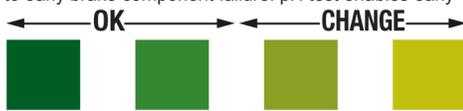


VEHICLE INSPECTION PREVENTATIVE MAINTENANCE TEST KIT

- The cleaner the fluids the longer your engine and the vehicle components will last. While there are many ways to filter out contaminants, monitoring the protection that the additive package provides and measuring the level of contaminants will assist in deciding when to service or change fluids. By "listening" to what the fluids can tell you over time about the conditions of the systems you can identify when a potential maintenance need exists. Lab Monitoring is typically time consuming, inconvenient, time delayed, and expensive. Other qualitative tests leave out quantitative evaluation of the contaminants requiring interpretation of the results.
- Water contamination is very common and detrimental because water does not lubricate as well as oil. As it has a low boil point, when it boils it causes vapor, hot spots, oxidation and wear. In some cases, the water can react with the additive system to form acids that cause metal corrosion. Water in the presence of air leads to rust increasing the rate of corrosion. Metal particles accelerate the oxidation process, and the contaminants can in turn cause abrasion or surface fatigue on systems.
- System rusting occurs when water carried by the fluid attacks ferrous metal parts. Most fluids contain rust inhibitors to protect against system rusting. Over time, fluids oxidize and form acids, sludge, and varnish. Acids attack system parts, particularly soft metals. Extended high-temperature operation and thermal cycling also encourage the formation of fluid decomposition products. Fuel contamination introduces several changes, including lower flash point, lower viscosity, and increased vapor pressure. The viscosity change alone creates lower film strength, hampering lubrication efficiency.
- Every system deserves an inspection. Good record keeping is key to a proactive program.

DOT 3/4 BRAKE FLUID pH TEST - #61000

pH Brake Test Strips are used to check the condition of the brake fluid. An acidic brake fluid environment is likely to lead to early brake component failure. pH test enables early detection to prevent costly repairs. Users only use what is needed. The dispenser stores easily.



BRAKE MOISTURE - #6000

For best results, follow the directions carefully.

The boil point of the Brake Fluid diminishes as the fluid absorbs water. Moisture and oxidation degrade the brake fluid's protection against corrosion. When the moisture level rises over 5% braking capability can be compromised. Vapor hot spots develop when the moisture boils. Monitoring the moisture content of brake fluid can help identify when service is recommended.



ATF/ANTIFREEZE CONTAMINATION - #711254

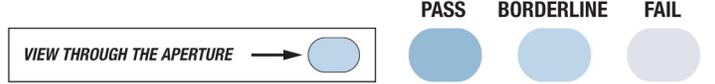
Contamination of transmission fluid by antifreeze inhibits the ability of the transmission fluid to work, and at levels over 3% causes failure, as it plugs. The transmission should be in operating temperature no more than 10 minutes prior to the ATF test.



MOISTURE IN OIL TEST - #40002

For best results, follow the directions carefully.

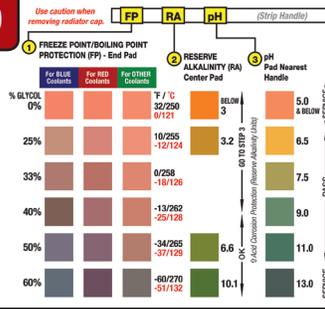
Moisture in oil from biodiesel or condensation can inhibit lubrication and cause hot spots in the engine resulting in corrosion, pitting, and engine wear.



ANTIFREEZE/COOLANT TEST - #15500

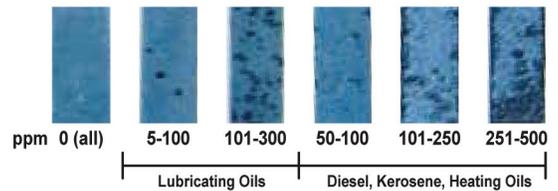
Regular monitoring of antifreeze protection against corrosion, contamination and freeze and boil point is recommended. Every coolant requires periodic monitoring ensures the quality of the fluid.

- Dip test-strip into coolant sample (below 100°F / 43°C) for 2 seconds.
- Shake briskly once to remove excess coolant.



OIL IN DIESEL EXHAUST FLUID TEST - #480508

The introduction of hydrocarbons into DEF causes SCR system failures resulting in costly repairs. Proper handling of DEF includes inspection of the fluid at each transfer/refill point.



LOW LEVELS WEAR METALS TEST - #70003

Easily identify the level of wear metals in Antifreeze Coolant, Crank Case Oil, and Differential Oil, Power Steering, and Transmission Fluid (not including brake fluid).

When used regularly, the Acustrip Metals Test® allows technicians and operators to trend wear of engines and equipment component parts. The detection of the abnormal presence of metals allows for immediate corrective action. The results are less maintenance costs, higher operating efficiency and increase in engine and component life. The value of the test is significant as laboratory testing may be inaccessible or cost and time prohibitive.

The ACU70003 kit comes complete with sample bottles to enable quick, easy testing in the field.



GENERAL MAINTENANCE CHECK

CURRENT CONDITION: GOOD ✓ NEARING END OF USEFUL LIFE ✓ REQUIRES SERVICE ✓

Belts	Green	Yellow	Red	Battery	Green	Yellow	Red	Head Light	L	R	L	R	L	R	AF/Coolant	pH	RA	Conc	Engine Oil	Metals	MSTR
Hoses	Green	Yellow	Red	Fuel Filter	Green	Yellow	Red	Tail Light	L	R	L	R	L	R	Brake	pH	MSTR		Power Steering	Metals	
PVC	Green	Yellow	Red	Fuel System	Green	Yellow	Red	Brake Light	L	R	L	R	L	R	Differential	Metals	MSTR		Transmission	Metals	AF
Engine Air Filter	Green	Yellow	Red	Wiper Blades	Green	Yellow	Red	Tire Condition	Green	Yellow	Red				DEF	HC	%				
Cabin Air Filter	Green	Yellow	Red	Washer Fluid	Green	Yellow	Red	Air Pressure	Green	Yellow	Red										
				Windshield	Green	Yellow	Red														

Customer Name: _____ Repair Order/Ticket #: _____

Vehicle Make/Model: _____ Plates: _____ VIN: _____

Inspected/Certified By: _____ Date: _____



Fluid Diagnostic Test Strips

**AUTOMOTIVE & LIGHT TRUCKS
TEST STRIPS FOR EXTENDED LIFE
AND CONVENTIONAL COOLANTS**



TESTS: Reserve alkalinity, freeze point / boiling point and pH levels.

15500
70 STRIPS / BOTTLE



**FLUID MOISTURE TEST STRIPS FOR 5 OILS - ENGINE, ATF,
HYDRAULIC, POWER STEERING & ALL BRAKE FLUIDS**



Works in DOT 3, 4, & 5.1.

Fluid Diagnostic Test Strips assess the health of the fluid and identifies when a fluid needs to be changed.

40002
30 STRIPS



AUTOMATIC TRANSMISSION FLUID (ATF) TEST STRIPS



- Highly unique, quick and affordable measure used to detect the presence of antifreeze in ATF
- This easy test detects from 0 - 6% antifreeze coolant

711254
50 STRIPS / BOTTLE



pH BRAKE FLUID TEST STRIPS - DOT 3, 4, & 5.1



Tests: Automotive and Heavy Duty Brake Fluids. Provides reliable results to determine the level of protection against corrosion. Dip and read in 30 seconds.

61000
DISPENSER
Approx. 100 Tests

LOW LEVEL - METAL WEAR TEST STRIPS
TESTS: Wear Metal in Antifreeze, Engine, Differential, Power Steering & Transmission Fluid Oils at very low content, < 10 to 1000 ppb. Any abnormal presence of metals signifies immediate corrective action.



70003
50 STRIPS / BOTTLE



**DIP N' READ DILUTION ELC TEST STRIPS
ORGANIC ACID TEST FOR
EXTENDED LIFE COOLANTS**
Suitable for testing all OAT-based (NOAT & HOAT) Coolants.

40132
25 STRIPS / BOTTLE



**Specific Range:
Nitrite
0 - 3200 ppm**



**Specific Range:
Nitrite
0 - 4000 ppm**

**HEAVY DUTY
TEST STRIPS FOR EXTENDED LIFE AND
CONVENTIONAL COOLANTS**
TESTS 4 COMPONENTS: pH levels, Glycol, Molybdate & Nitrite up to 3200 ppm.
If required to test Nitrite 4000 ppm use # 30001. (SEE NEXT ITEM)
If required to test ELC also use # 40240



20504
50 STRIPS / BOTTLE



**HEAVY DUTY
3-WAY ANTIFREEZE TEST STRIPS FOR**

EXTENDED LIFE & CONVENTIONAL COOLANTS
TESTS 3 COMPONENTS: pH levels, Glycol & Nitrite up to 4000 ppm.

(Does not test Molybdate - If required use # 20504)
For evaluation of the level of supplemental additives in the cooling system.

30001
50 STRIPS / BOTTLE



**HEAVY DUTY
HYDROCARBON TEST STRIPS**
Use to detect the presence of Oil in Diesel Exhaust Fluid (DEF), ANY Antifreeze & Water.



480508
50 STRIPS / BOTTLE



EGR VALVE BLOW-BY GASES TEST STRIPS

TESTS COOLANTS FOR: pH, Sulfate & Chloride Levels.

- Blow-By Gas contamination has occurred if pH falls & Sulfate rises.
- Other contaminants are present if pH Level rises or falls.
- Chloride Levels can rise from Poor Quality Make-Up Water & Acid Cleaner not properly removed from the cooling system.

Use # 20504 or # 30001 if testing pH Level in ELC Red or Orange Coolant.



33000
10 STRIPS / BOTTLE

