

## READY TO SAMPLE? GET STARTED.

Visit [www.nmc-corp.com/nmctech/getstarted](http://www.nmc-corp.com/nmctech/getstarted) to find everything you need to learn about ordering, taking and sending a sample.



## SAMPLING IS EASY. ORDER ONLINE.

- 1 Visit the website.
- 2 Complete the order form. This tells us the type of kit to send to you.
- 3 Receive your kit.
- 4 Take and return your sample.



## ONLINE RESULTS.

When your results are ready, we'll provide your login information to view or print your results.



## NMC TECHNOLOGIES FLUID ANALYSIS ON ANY EQUIPMENT, ANYWHERE.

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# RESULTS

### **MACHINE:** 140H MOTOR GRADER

**ANALYSIS DETECTED:** Coolant in engine oil  
**REPAIRED AS A RESULT:** Failed water pump for \$1,000

### **PREVENTATIVE SAVINGS:** \$23,000

The repair to the total engine failure would have been \$24,000

### **CUSTOMER'S COMMENTS:**

*"There have been many instances of samples coming back with suggestions on remedies to simple issues. We have been able to catch things that we would never have known."*

### **MACHINE:** 1603 TERRAGATOR

**ANALYSIS DETECTED:** Sample from the rear differential contained excessive dirt, high iron levels, and hydraulic brake oil in the axle

**REPAIRED AS A RESULT:** Replaced the differential's bearings and installed new brakes at a cost of \$9,700

### **PREVENTATIVE SAVINGS:** \$7,300

A total rebuild would have cost the customer \$17,000

### **MACHINE:** CHEVY 1500 PICKUP

**ANALYSIS DETECTED:** Unknown miles on oil. High sodium and potassium detected, as well as glycol.

**REPAIRED AS A RESULT:** \$300 to replace the intake manifold gasket.

### **PREVENTATIVE SAVINGS:** \$5,000

Performing the analysis and replacing the gasket prevented a total engine failure, with a replacement cost of \$5,000.

*"We've incorporated NMC's fluid analysis services into our fleet management program in part because it allows us to better manage our expenses by identifying any potential equipment failures before they become more serious or catastrophic. We receive the analysis results quickly and can always count on the staff at NMC to provide support, and if necessary, service repairs."*

**FLEET OPERATIONS MANAGER, WERNER CONSTRUCTION**

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### **MACHINE:** CAT® INDUSTRIAL ENGINE

**ANALYSIS DETECTED:** High counts of iron with visible metal flakes in the oil

**REPAIRED AS A RESULT:** Replaced the engine's oil pump and adjusted valve clearances, which saved the life of the engine.

### **PREVENTATIVE SAVINGS:** \$14,055

Repairs of \$1,125, compared to \$15,180 plus 40 hours of labor to repair a complete engine failure

### **MACHINE:** 320DL EXCAVATOR

**ANALYSIS DETECTED:** Dirt, water and high iron levels in the left final drive

**REPAIRED AS A RESULT:** Final drive

### **PREVENTATIVE SAVINGS:** \$12,000

Quick communication to the customer allowed for repairs to be completed during the warranty period at no cost. Total out of pocket expenses for a complete final drive would have cost \$12,000

### **MACHINE:** HYSTER LIFT TRUCK

**ANALYSIS DETECTED:** Copper, iron, lead, aluminum and silicon were detected in the oil sample.

**REPAIRED AS A RESULT:** Tightened clamps and performed an oil change for \$250.

### **PREVENTATIVE SAVINGS:** \$7,000 - \$10,000

If the machine would have continued on course with the oil contaminants, the result would have been a total engine replacement.

# NMC TECHNOLOGIES FLUID ANALYSIS SERVICES

## OIL, COOLANT AND FUEL TESTING



# EXPERIENCE

NMC Technologies is Nebraska's only full service fluid analysis lab and has been the leader in fluid testing and analysis for over 40 years. Since 1995, we've performed nearly a half million fluid samples. Our technicians have over 30 years of combined experience testing fluids on a variety of equipment types.

## BENEFITS

Our three decades of experience have shown that customers who maintain a schedule of regular fluid analysis save significantly in avoiding costly repairs. Regular fluid analysis is a low cost investment that establishes a service history which could ultimately increase your machine resale value.

### INFORMATION THAT CAN INCREASE PROFITS

**IDENTIFY**  
minor repairs  
before they become  
major problems

Prevent thousands in  
repairs and downtime.

**IMPROVE**  
your equipment's  
reliability

Avoid unscheduled  
downtime that  
decreases profitability.

**EXTEND**  
oil change  
intervals

Reduce your maintenance  
and servicing costs.

## INDUSTRY EXPERIENCE

NMC Technologies analyzes fluids for many equipment types ranging from:



Automotive



Agriculture Equipment



Aviation\*



Marine



Construction  
Equipment



Metro Transit Vehicles

Our services extend to most types of fluid compartments, including:



Engine



Gear Compartments\*\*



1 3 5  
2 4 R Transmission



Fuel



Hydraulic



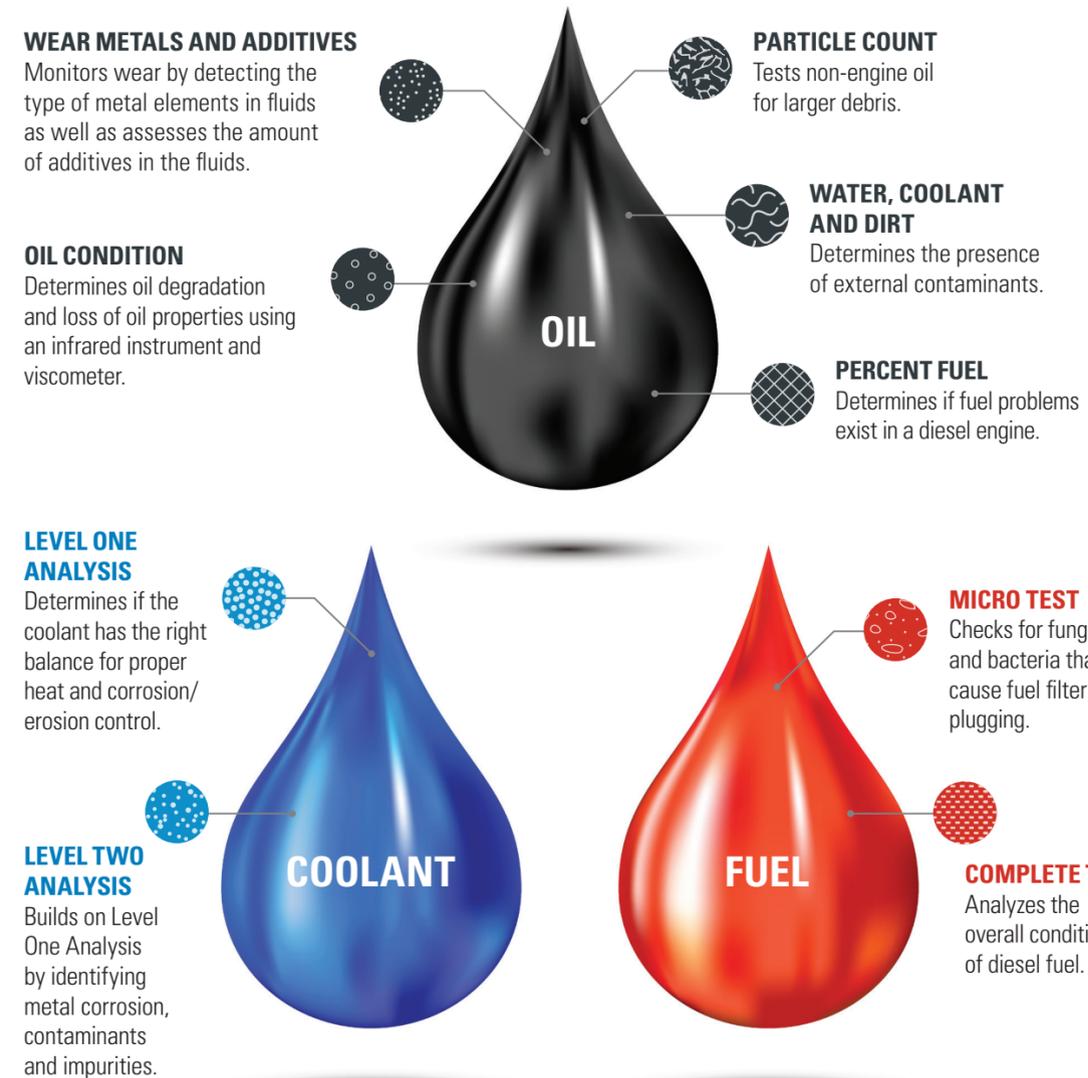
Coolant

\*SOME RESTRICTIONS APPLY. INQUIRE FOR DETAILS.

\*\*OTHER COMPARTMENTS INCLUDE CIRCLE DRIVES, SWING DRIVES, DIFFERENTIALS AND FINAL DRIVES

# TECHNOLOGY

Get the full picture with regular oil, coolant and fuel analysis, and keep equipment on the job.



## QUICK TURNAROUND

Most oil analysis results are available within 24 hours after receipt of the sample. Fuel and coolant results are typically available within 72 hours to one week.



## ACCURATE ANALYSIS

Commitment to investing in proper equipment means more accurate results. The best equipment combined with experienced technicians delivers the information you need to properly manage equipment.



## INDIVIDUAL INTERPRETATION

Each sample received is individually interpreted for the most accurate recommendations. Results are communicated in an easy to understand language and are accompanied by actionable recommendations.



## CONVENIENT DELIVERY

Results can be delivered via web, email, fax, mail or a combination thereof. Results can also be sent to multiple persons or locations.



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