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TRANSPORTATION & FLEET RELIABILITY SERVICES

OIL & FLUIDS CONDITION MONITORING TO KEEP
YOUR FLEET OPERATING AT MAXIMUM POTENTIAL

WHEN YOU NEED TO BE SURE

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Fleet equipment used in today's transportation industry require routine oil analysis to monitor changes in lubricant condition. Monitoring the condition of lubricants reduces and avoids expensive repairs, parts replacement, and increases uptime.

Transportation companies around the globe use SGS oil condition monitoring expertise to provide early-warning alerts and timely maintenance recommendations. Oil lubricant condition tests conform to industry recognized ASTM standards and other industry protocols.

With the legacy Herguth labs joining SGS's global oil condition monitoring network, SGS has been providing the transportation industry in the USA with quality, dependable, professional, testing and reporting services since 1980.

Routine testing identifies potential problems before they become major failures allowing you the competitive edge today's transportation industry demands. Maintain asset reliability and control of your schedules with a fluid analysis program from SGS.

DIESEL ENGINES

Monitoring the oil's viscosity, contaminant levels (soot, dirt, water and fuel) and the ability to neutralize corrosive wear determines whether the antiwear and dispersant levels of the oil remain sufficient to provide the appropriate protection. Trending engine component wear metals is key to realizing optimum lubricant life and equipment uptime.

GEAR SYSTEMS

A critical factor with transmissions and differentials is the type of wear that occurs from operations. The accurate detection of wear and contamination is also important. SGS programs pinpoint potential issues and suggest the appropriate course of action.

DIESEL FUEL

Whether you're concerned with potential fuel filter plugging issues, bulk fuel storage concerns or overall fuel quality, an effective analysis program ensures your operations meet quality and reliability expectations.

SGS TRANSIT INDUSTRY TESTING EXPERTISE

DIESEL FUEL TESTS

API Gravity	ASTM D4052, D287, D1298	Bacteria, Fungi	Various Tests
Density	ASTM D4052	Particle Count	ASTM D7647, ISO 111171/4406
Cloud Point	ASTM D2500	Sulfur	ASTM D4294, D129, D5453
Pour Point	ASTM D97	Cetane Index	ASTM D976, D4737
Water & Sediment	ASTM D2709, D1796		

OIL & LUBRICANT TESTS

Elemental Metals	ASTM D5185, modified	Base Number	ASTM D4739, D2896, modified
Fuel Dilution	ASTM E2412	Acid Number	ASTM D664, modified
Soot	ASTM E2412	Oxidation	ASTM E2412
Viscosity	ASTM D445, modified	Nitration	ASTM E2412
Water (est.)	Crackle	Particle Count	ASTM D7647, ISO 11500/4406
Karl Fischer Water	ASTM D6304		

COOLANTS & FLUIDS TESTS

Antifreeze %		Nitrites
Boil Point		Total Dissolved Solids
Freeze Point	ASTM D3321, modified	Visuals
Ph	ASTM D1287	SCA Number
Elemental Metals	ASTM D1976, modified	Specific Conductance

The above tests represent typical lab analysis for the transportation industry. Other tests and test methods are available, as required.

SGS OIL CONDITION MONITORING LOCATIONS

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