COOLCHECK COOLANT DIAGNOSTICS HELP RESOLVE PROBLEMS

INDUSTRY:
public transportation

APPLICATION:
commercial vehicles

PRODUCT:
EVOX Extra G 48

SERVICE:
CoolCheck coolant diagnostics

We sometimes think coolants of internal combustion engines are less important than they really are. Coolants of modern vehicles are just as high tech as modern lubricants. The CoolCheck coolant diagnostics carried out at this transportation company showed that using coolant of a suitable quality and applying regular maintenance to cooling systems could increase coolant reliability and the service life of liquid-cooled main vehicle parts and that the company could save excessive costs caused by frequent breakdowns.

After preparation for winter, a series of inexplicable breakdowns occurred in the company's buses. The coolant in the cooling systems had foamed in the heat exchangers and creamy deposits had formed around them. The deposits narrowed the diameters of the cooling systems' pipes, restricting liquid flow, deteriorating heat exchange and causing overheating. This phenomenon was brought to light by frequent failures of the hydraulic torque converters connected to the engine and the cooling system. Cooperation between the company's and MOL-LUB's experts solved these problems.

After careful examination of the problems, MOL-LUB CoolCheck coolant diagnostics helped in understanding them. It turned out that the breakdowns were caused by the chemical incompatibility of mixed coolants of different composition.

Based on CoolCheck coolant diagnostics, the necessary repairs and maintenance were carried out. This whole process showed the importance of choosing the right coolant.

1 CHALLENGE

Preventing unexpected downtime; cutting down on high maintenance costs.

2 SOLUTION

Application of optimal ready-made coolant; CoolCheck coolant diagnostics.

3 RESULTS

Using the product and the service together resulted in increased operating reliability of automatic gears. Breakdowns decreased to a minimum level and income loss caused by unexpected downtime became preventable.

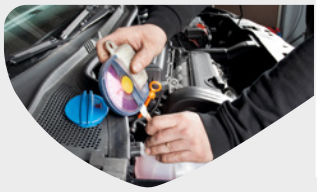
COOLCHECK COOLANT DIAGNOSTICS

Coolants used in internal combustion engines usually do not get the attention they deserve. It is an internationally proven fact that most vehicle failures are caused by defective cooling systems or unsuitable coolants. MOL-LUB CoolCheck coolant diagnostics helps deliver reliable and cost-effective operations by assessing the state of cooling systems and coolants.

With the application of CoolCheck coolant diagnostics and suitable maintenance, cooling systems may be kept in good condition, maximum service life of coolants achieved, while maintenance costs may be reduced and vehicles kept in optimal condition.

COOLCHECK COOLANT DIAGNOSTICS IN 4 SIMPLE STEPS

Taking samples	Forwarding samples	Analysis	Expert opinion
Please follow the process described in the attached Information booklet to ensure proper sampling!	Following sampling, please fill in the attached form, and forward the oil sample vessel to the MOL-LUB Ltd. CoolCheck laboratory!	The samples received are analysed by experts.	Test results are summarized within 72 hours and the business partner receives an e-mail describing any likely problems and effective preventive maintenance actions to be taken.



WITH THE HELP OF COOLCHECK COOLANT DIAGNOSTICS

- based on information on coolant status we can optimize coolant change intervals and maximize the service life of the coolant without taking any risks
- problems can be identified early, preventing serious damage
- information is obtained on unprofessional coolant changes, use of unsuitable coolants and the quality of operations and maintenance.
- there is also an opportunity to further improve maintenance quality, to increase equipment service life and to cut down on investment expenditures

INDICATORS ARE IMPROVING

- optimized coolant usage
- significant financial savings
- easy-to-plan maintenance costs

YOUR PARTNER