



**Volvo Trucks North America, Inc.**

November 2, 2009

Jason Lazaroff  
Kleenoil USA  
6913 Ave K, Suite #303  
Plano, TX 75074

Dear Mr. Lazaroff,

This is in reply to you requesting a statement of our position regarding the use of your Kleenoil Bypass Filtration system on our equipment.

Volvo Trucks North America neither approves nor disapproves any product(s) not manufactured or sold by Volvo Trucks North America. The use of your products on our vehicles do not in and of themselves void the warranty, but any damage which may result from their use might not be covered under warranty as a warrantable failure.

Regards,

A handwritten signature in black ink, appearing to read "Ken Culver", is positioned above the printed name.

Ken Culver  
Director, Warranty & Quality

**From:** Hemmings Jim [mailto:james.hemmings@volvo.com]  
**Sent:** Friday, November 13, 2009 2:00 PM  
**To:** VonKaitz Rollie; Wolf Steven; Phil Kennedy; John Impson  
**Cc:** Drzewiecki Dave; Bogdanoff Roberto  
**Subject:** By-pass filtration.

Gentlemen,

The filtration method I would recommend for machine L180E, serial # 9009, is more commonly called by-pass filtration. This system is fitted into a lower flow portion of the hydraulic circuit i.e. servo or cooler return, and filters the oil over a longer time frame but to a finer level. During this filtration period the machine can be operated as normal and, in fact, the more functions that are operated the cleaner the system hydraulic oil becomes. This method has no effect on machine operation and requires no external power or pumps.

Here are some links to sites that sell/service bypass systems.

<http://www.kleenoilusa.com/>

As we discussed, anyone who owns, rents or uses Volvo equipment can use the contact information below. I would prefer any other equipment owners/users to use:

[jhemmings11@comcast.net](mailto:jhemmings11@comcast.net)

Best regards,

Jim Hemmings  
Technical Support Specialist  
Volvo Construction Equipment North America  
One Volvo Drive  
Asheville, North Carolina 28803

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