

Coolant Management System

The coolant management system contains suggestions for the proper maintenance and control of metal working fluids that customers use. Implementing these suggestions in small systems or individual sumps is not as easy as it seems as this is a very dynamic process. Several factors play a role in maintaining the health of metal working fluids, like water conditions, lack of filtration systems, different seasons, etc.

Thus, it is essential that the cutting fluids are monitored on a regular basis so that they can be used for a longer period of time. Extending its sump life pays its dividends. Adroit Lubricants helps its customers do the same. Several factors are involved in the success of metal working fluids and they are as follows.

Problems	Cause	Solutions
Foaming	<ul style="list-style-type: none"> -Soft Water -Concentration of MWF too high -Mechanical (crack inhouse, Sump level too low & pump pressure too high) 	<ul style="list-style-type: none"> -Treat water if necessary -Adjust Concentration -Check & repair as required -Skim off the oil
Rusting	<ul style="list-style-type: none"> -Concentration too low -Poor Mixing -High Tramp Oil 	<ul style="list-style-type: none"> -Adjust Concentration -Add Concentrate to water -Skim off Oil
Poor Tool Life	<ul style="list-style-type: none"> -Concentration too low -Poor Product being used -High Tramp Oil Content 	<ul style="list-style-type: none"> -Adjust Concentration -Discuss requirement with the usage -Check the leakages
Odour	<ul style="list-style-type: none"> -Low Concentration -Low pH -High Tramp Oil -Contamination 	<ul style="list-style-type: none"> -Adjust Concentration -Check pH -Skim off Oil -Check the leakages
Skin Irritation	<ul style="list-style-type: none"> -High Concentration -High pH -High Tramp Oil -Allergies -Other Factors 	<ul style="list-style-type: none"> -Adjust Concentration -Check pH -Skim off Oil