



MECH TECH ENGINEERING SOLUTIONS

COOLANT
PURIFICATION

TRAMP OIL REMOVAL

TRAMP OVERVIEW

Tramp oil is probably one of the most common contaminants in metalworking fluids.

The term is a catch all for all sources of non-soluble contaminants (usually oil-based)

that can come in contact with the metalworking fluid as a function of the process or the equipment.

The sources can be one of the following:

- » Hydraulic fluid
- » Way lubricant
- » Slide lubricant
- » Gear lubricant
- » Spindle lubricant
- » Corrosion preventive (from a previous process or carried in on the parts)
- » Stamping lubricant (from a previous process or carried in on the parts)

Whatever the source, tramp oil is a foreign contaminant that can create the problems detailed below.





CAUSES OF TRAMP OIL

Tramp oils can lead to numerous problems that affect work environment safety, production efficiency and the cost control abilities.



- OIL IN COOLANT REDUCES THE COOLANT FLUID ABILITY
- INCREASE IN TEMPERATURE, SHORTEN THE TOOL LIFE
- OIL ESSENTIALLY PREVENTS OXYGEN FROM MIXING WITH THE COOLANT
- THAT BECOME BREEDING GROUNDS FOR ANAEROBIC BACTERIA
- BACTERIA GENERATE HYDROGEN SULFIDE GAS WHICH EMITS AN UNPLEASANT ROTTEN EGG ODOR.

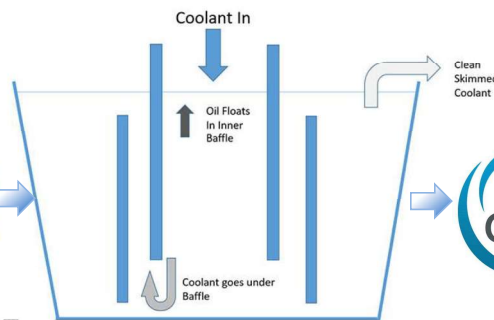
TRAMP OIL COST YOU MONEY

REMOVAL METHOD

WELL DESIGNED FLOAT



HIGH DRAFT SKIMMER



VACUUM SUMP CLEANER





COOLANT PURIFIER FEATURES

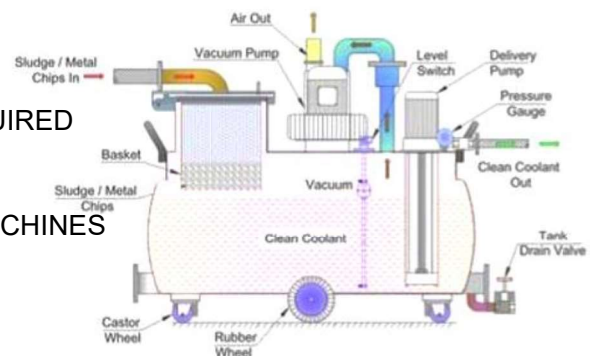
- ⇒ HIGH EFFICIENT THRU FLOAT – COMPARE WITH BELT / DISC SKIMMERS
- ⇒ FASTER CENTRIFUGAL REMOVES 95% OF TRAMP OIL
- ⇒ ACCURATE & FASTER SEPERATION DUE TO HIGH SURFACE AREA
- ⇒ CONSUMABLE FREE – REDUCE OPEARATING COST
- ⇒ PLUG & PLAY OPERATION – NO SPECIAL TRANING IS REQUIRED
- ⇒ MOBILE OPERATION – CAN BE CONNECTED TO NEEDY MACHINES



SUMP CLEANER FEATURES



- ⇒ POWERFUL VACCUM BLOWER – SUCKS METAL CHIPS & COOLANT
- ⇒ FINE STRAINER – RETAIN SLUDGES, METAL CHIPS & SWARF
- ⇒ HIGH EFFICIENCY CENTRIFUGAL PUMP – TO DELIVER THE CLEAN COOLANT
- ⇒ CONSUMABLE FREE – REDUCE OPEARATING COST
- ⇒ PLUG & PLAY OPERATION – NO SPECIAL TRANING IS REQUIRED
- ⇒ MOBILE OPERATION – CAN BE CONNECTED TO NEEDY MACHINES





**DRASTICALLY REDUCE NEW COOLANT
PURCHASE COST TO 75%**



**REDUCE DISPOSAL
WHICH GIVES
CLEAN & GREEN
ENVIRONMENTAL**

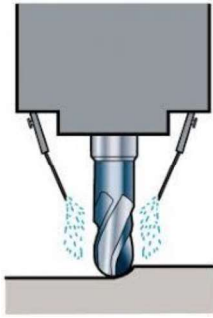


EQUIPMENT RANGES

**MOBILE &
FIXED
MODELS**

&

**FLOWRATE
FROM
10 LPM > ABOVE**



COOLANT

APPLICATION

- ✓ Neat Cutting Oil
- ✓ Water Emulsion Quenching Oil
- ✓ CNC Coolants
- ✓ Component water Washing machines
- ✓ Waste coolant tanks
- ✓ Storage Tanks, etc

Manufactured by **Maxtec Energy Solutions**

MECH TECH ENGINEERING SOLUTIONS
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