



## **AEROFLON ENGINEERS PVT. LTD.**

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# **AIRO-SOLV**

## **CONCENTRATED CLEANER AND SYSTEM FLUSH**

### **Applications:**

Airo-Solv is a premium quality solvent-type fluid designed to dissolve varnish and solubilize sludge as an additive at 5% to 10% concentration in oil for cleaning many types of industrial systems such as Bowser Sumps in Paper Mills during operation. **(Not for use in Ammonia Compressors or with Polyalkylene glycol or silicone fluids.)** It can also be used to help flush a system when changing over from mineral to synthetic oils in order to reduce contamination due to oil carry-over. Regular use of Airo-Solv will help you get the most out of your synthetic oil and your equipment by removing varnish and reducing operating temperature.

### **Typical Industrial Applications:**

- Rotary Screw Compressors
- Rotary Vane Compressors
- Centrifugal Compressors
- Reciprocating Compressors
- Hydraulic Systems
- Gearboxes
- Vacuum Pumps
- Chains
- Bearings
- Reservoirs
- Airline Valves
- Heat Transfer Systems

### **Performance Benefits:**

- Economical to use—only a 5% concentration required for most applications
- Solubilizes and removes harmful varnish and “sludge”
- Compatible with mineral oils and synthetic hydrocarbons
- Safe to use as directed—does not contain carcinogens or other hazardous materials found in some competitors products
- Very mild odour
- High flash point

### **Cleaning Procedure:**

We recommend the use of 5% to 10%, generally 5%, of the UltraSolv with 90% to 95% of the fluid in the system. Airo-Solv can be used with petroleum and synthetic hydrocarbon (PAO) oils. Temperature/time concentration relationships for industrial equipment: (Oil should be circulating.)



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	<b>5% Concentration</b>	<b>10% Concentration</b>
Temperature Time	Room Temperature 3-4 Days	Room Temperature 1-2 Days
Temperature - Ideal Time	160 Degrees Fahrenheit 1-2 Days	160 Degrees Fahrenheit 24 Hours
Temperature - Maximum Time	300 Degrees Fahrenheit 4 Hours	300 Degrees Fahrenheit 2 Hours

Run equipment at normal operating conditions. Do not exceed 300° F. Change the oil filter before and after cleaning. Inspect during cleaning if equipment is very dirty. Some filters are equipped with pressure drop gauges. Normally, 10-psi drop indicates filter should be changed. For safety reasons allow oil to cool (130° F max.) before draining. After draining, it is recommended that the oil system be flushed with clean oil. To flush, fill to minimum or normal oil level. Start equipment to circulate or splash oil around system. In gearboxes or other applications where heavy oil is normally used, stop equipment almost immediately after starting to prevent wear.

**Product Compatibility:**

Ultra-Solv is safe for use on ferrous and nonferrous metals used in industrial equipment. It is safe on most seals used in industrial equipment at 10% maximum concentrations.

**This product is NOT compatible with Polyalkylene glycol (PAG) fluids.**

<b>Typical Properties</b>	<b>TEST METHOD</b>	<b>Airo-Solv</b>
ISO Grade	ASTM D2422	46
SAE Grade	SAE J-300	20
Viscosity @ 40 Degrees Celsius	ASTM D445	37
Viscosity @ 100 Degrees Celsius	ASTM D445	5.6
Viscosity Index	ASTM D2270	88
Flash Point, Celsius/Fahrenheit	ASTM D92	149/300
Lbs./Gallon	---	7.66
Odour	---	Mild
Specific Gravity	ASTM D1298	0.92

**MADE IN USA**