

## MAINTENANCE

**PERIODIC MAINTENANCE AND INSPECTION** - These procedures consist primarily of regularly scheduled cleaning and inspections. The time intervals cited are based on normal use of the SOMAT<sup>®</sup> unit: approximately **six hours per day**, seven days per week. Equipment operating more than this or in severe service will require more frequent inspection/maintenance.

Continued adherence to these inspections will provide adequate lead time when ordering spare parts, thereby minimizing unnecessary and costly down-time.

### LUBRICATION CHART

UNIT	FREQUENCY	TYPE OF FITTING	LUBRICANT
Hydra-Extractor <sup>®</sup> Speed Reducer.	6 months to 1 year	Oil fill plug	Amer. Worm Gear Oil (Amoco) Gear Oil 629 (Mobil)
Hydra-Extractor <sup>®</sup> top bearing	Once per month	Zerk fitting	Water repellent grease

### INSPECTION CHART

	DAILY	WEEKLY	MONTHLY	QUARTERLY
<b>1. GENERAL (Overhaul yearly)</b>				
a. Check exterior finish for corrosion.				X
<b>2. EXTRACTING UNIT</b>				
a. Check screw and brush for wear.				X
b. Check screen for wear.				X
<b>3. DRIVE</b>				
a. Check reducer for noise and leakage.				X
b. Check bearing and screw shaft for wear.				X

**TROUBLESHOOTING AND ANALYSIS** - Common Hydra-Extractor® malfunctions, probable causes and corrective actions are as follows:

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
Hydra-Extractor® stops frequently	<ol style="list-style-type: none"> <li>1. Worn screw.</li> <li>2. Incorrect or defective thermal overloads &amp; fuses.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace screw.</li> <li>2. Check electrical wiring diagram for proper amperage requirements. Replace incorrect or defective parts as required.</li> </ol>
Excessively wet pulp discharge from Hydra-Extractor®	<ol style="list-style-type: none"> <li>1. Clogged screen</li> </ol>	<ol style="list-style-type: none"> <li>1.               <ol style="list-style-type: none"> <li>a. Clean exterior of screen thoroughly.</li> <li>b. If problem persists, check brush on screw for wear. Replace screw if required.</li> </ol> </li> </ol>

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Since the Drive Motor is a permanently lubricated, sealed unit, lubrication instructions will be considered not applicable.

Particular attention should be paid to impeller wear and seal leakage since this will affect the performance of the pump. Continued adherence to these inspections will provide adequate lead time when ordering spare parts, thereby minimizing unnecessary and costly equipment downtime.

### INSPECTION SCHEDULE

	DAILY	WEEKLY	MONTHLY	QUARTERLY
<b>1. GENERAL</b>				
a. Check exterior finish for corrosion				X
b. Check pump casing for wear				X
c. Check impeller for wear				X
<b>2. DRIVE</b>				
a. Check seals for leakage	X			
b. Check bearings for noise and wear				X