



## Rig Equipment Maintenance Schedule

|  |           |        |         |        |
|--|-----------|--------|---------|--------|
| Truck/Trailer #  | Date:     |        |         |        |
| Maintenance Installer:   | Location: |        |         |        |
| E Series (Electric)  |           |        |         |        |
|  | Daily     | Weekly | Monthly | Yearly |
| Inspect fluid lines for leaks  |           |        |         |        |
| Check wet-cup TSL/DOP  |           |        |         |        |
| Check YWE strainer inlet screens   |           |        |         |        |
| Apply White Lithium grease to the YWE Strainer cap threads prior to reinstalling   |           |        |         |        |
| Blow off dust from below Reactor   |           |        |         |        |
| Remove shroud, blow off dust from electrical motor   |           |        |         |        |
| Blow off dust buildup from control boards and fan  |           |        |         |        |
| Check spray hose for missing insulation/wrap<br><i>NOTE: Use only zero moisture marine lithium grease</i>  |           |        |         |        |
| Grease pressure relief valves (Fusion grease)  |           |        |         |        |
| Grease connecting rod bearing cup  |           |        |         |        |
| Remove connecting rod shroud and check for movement on the connecting rod/bearings. If movement is excessive replace connecting rod.                                     |           |        |         |        |
| Remove intake ball housing; inspect ball and seat  |           |        |         |        |
| Inspect all electrical connections and tighten   |           |        |         |        |
| Check the hose heat connectors for cracking, breakage and replace when necessary   |           |        |         |        |
| Check all the FTS Connections and make sure all connections look good.   |           |        |         |        |
| Using an Ohm meter check the FTS between Pin 1 & 2. Should be 10-12 Ohms for the FTS and another 30-35 Ohms for each 50 section. Between Pins 1 & 3 should be open loop. |           |        |         |        |
| With your Multi-Meter ensure that incoming Hertz is between 50-60 and incoming voltage is between 195 -265 across both legs.   |           |        |         |        |
| If equipped with recirculation hoses - ensure hoses are not crystalized/not leaking.   |           |        |         |        |

### H Series (Hydraulic)

|   |              |               |                |               |
|---|--------------|---------------|----------------|---------------|
|   | <b>Daily</b> | <b>Weekly</b> | <b>Monthly</b> | <b>Yearly</b> |
| Check wet-cup TSL/DOP                             |              |               |                |               |
| Inspect Hydraulic fluid lines for leaks           |              |               |                |               |
| Blow off dust from below Reactor                  |              |               |                |               |
| Blow off dust buildup from control boards and fan |              |               |                |               |

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|--|--|-----------|---------|
| Check spray hose for missing insulation/wrap   |  |           |         |
| Blow off dust from electric motor area and pulley  |  |           |         |
| Blow off dust from hydraulic reservoir area and pulley   |  |           |         |
| Check Hydraulic Fluid ( <i>replace when necessary</i> )  |  |           |         |
| Check all the FTS Connections  |  |           |         |
| Using an Ohm meter check the FTS between Pin 1 & 2. Should be 10-12 Ohms for the FTS and another 30-35 Ohms for each 50 section. Between Pins 1 & 3 should be open loop. |  |           |         |
| With your Multi-Meter ensure that incoming Hertz is between 50-60 and incoming voltage is between 195 -265 across both legs.   |  |           |         |
| If equipped with recirculation hoses - ensure hoses are not crystalized/not leaking.   |  |           |         |
| Check all the FTS Connections and make sure all connections look good.   |  |           |         |
| Change Hydraulic oil and filter  |  |           |         |
| Remove intake ball guide; inspect ball and seat  |  |           |         |
| Inspect all electrical connections and tighten   |  |           |         |
| Hydraulic Oil and Filter Change Guide  |  |           |         |
| Ambient Conditions   | Recommended Change Rate                        |           |         |
| 0°F to 90°F  | 1000 hours or 12 months, whichever comes first |           |         |
| 90°F and above   | 500 hours or 6 months, whichever comes first   |           |         |
| NOTE: Use only Anti-wear (AW), ISO grade 46 Hydraulic Oil  |  |           |         |
| AP Spray Gun   |  |           |         |
|  | Daily  | As Needed |         |
| Clean Chamber (minimum once a day)   |  |           |         |
| Clean Air Cap  |  |           |         |
| Clean fluid manifold chemical surface area and check filters (every set of material)   |  |           |         |
| Grease Gun (daily upon shut down)  |  |           |         |
| Remove and replace O-Rings throughout gun  |  |           |         |
| Transfer Pump  |  |           |         |
|  | Daily  | Weekly    | Yearly  |
| Remove airline upon shut-down  |  |           |         |
| Ensure air valve is tight and secure   |  |           |         |
| Grease air motor and air motor housing on both pumps NOTE: High Temperature Hydraulic grease.  |  |           |         |
| Inspect lower compression spring for wear/change   |  |           |         |
| Inspect air cap conical spring for wear/damage   |  |           |         |
| Ensure A drum is equipped with Descant Cartridge   |  |           |         |
| Check inlet and discharge ball and seat  |  |           |         |
| Air Dryer  |  |           |         |
|  | Daily  | Weekly    | Monthly |
| Check Air Filter if Equipped   |  |           |         |
| Change Filters if Equipped   |  |           |         |
| Ensure gauge is not running in red zone  |  |           |         |
| Check for air leaks  |  |           |         |
| Check Auto drain is discharging  |  |           |         |
| PPE  |  |           |         |
|  | Daily  | Monthly   |         |
| Inspect and clean respirator (before each use)   |  |           |         |

|  |  |                |                    |                      |                      |
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| Face piece seal check (every time of use)  |  |                |                    |                      |                      |
| Complete inspection of the PPE   |  |                |                    |                      |                      |
| CO monitor calibration (if equipped)   |  |                |                    |                      |                      |
| NOTE: OSHA occupational safety & health standard 1910.134 APP 8-1, 8-2   |  |                |                    |                      |                      |
| NOTE: Complete inspection as described in the OSHA occupational safety & health standard 1910.134  |  |                |                    |                      |                      |
| NOTE: A calibration date log should be affixed for future reference  |  |                |                    |                      |                      |
| NOTE: While using atmosphere-supplying respirator; the same manufacture of hose, cool-tube, hood, mask, etc. must only be used from point of connection (coupler) of the breather box. |  |                |                    |                      |                      |
| Electrical and Air Delivery  |  |                |                    |                      |                      |
| Generator  |  |                |                    |                      |                      |
|  | Daily  | Weekly         | As Needed          | 12 months / 500 hrs  | 24 months / 2000 hrs |
| Standard generator lubrication and maintenance   |  |                |                    |                      |                      |
| Check engine oil and coolant level   |  |                |                    |                      |                      |
| Check engine filter/water bowl   |  |                |                    |                      |                      |
| Check air cleaner unloader valve   |  |                |                    |                      |                      |
| Overall visual inspection  |  |                |                    |                      |                      |
| Clean radiator element   |  |                |                    |                      |                      |
| Check fuses  |  |                |                    |                      |                      |
| Check engine mounts  |  |                |                    |                      |                      |
| Replace air cleaner elements   |  |                |                    |                      |                      |
| Replace fan and alternator belts   |  |                |                    |                      |                      |
| Bleed fuel system  |  |                |                    |                      |                      |
| Add coolant  |  |                |                    |                      |                      |
| Service Battery  |  |                |                    |                      |                      |
| Check manual belt tensioner and belt wear  |  |                |                    |                      |                      |
| Generator (cont.)  |  |                |                    |                      |                      |
| Check automatic belt tensioner and belt wear   |  |                |                    |                      |                      |
| Change engine oil and oil filter   |  |                |                    |                      |                      |
| Check crankcase vent system  |  |                |                    |                      |                      |
| Check air intake hoses, connections, and system  |  |                |                    |                      |                      |
| Replace fuel filter elements   |  |                |                    |                      |                      |
| Check engine electrical ground connection  |  |                |                    |                      |                      |
| Check Cooling system   |  |                |                    |                      |                      |
| Coolant solution analysis-add SCA's as required  |  |                |                    |                      |                      |
| Pressure test cooling system   |  |                |                    |                      |                      |
| Check engine speeds  |  |                |                    |                      |                      |
| Flush and refill cooling system  |  |                |                    |                      |                      |
| Replace air cleaner element  |  |                |                    |                      |                      |
| Replace fan and alternator belts   |  |                |                    |                      |                      |
| Check fuses  |  |                |                    |                      |                      |
| Typical generator engine oil and filter change guide (consult manual for specifics):   |  |                |                    |                      |                      |
|  | Recommended Change Rate                      |                |                    |                      |                      |
| New Equipment  | Before 100 hours of operation                |                |                    |                      |                      |
| Annually   | 500 hours or 6 months, whichever comes first |                |                    |                      |                      |
| Compressors  |  |                |                    |                      |                      |
|  | Daily / 10hrs                                | Weekly / 10hrs | 6 Months / 500 hrs | 12 Months / 1000 hrs |                      |
| Check compressor engine oil level  |  |                |                    |                      |                      |
| Check air filter   |  |                |                    |                      |                      |
| Check for oil and air leaks  |  |                |                    |                      |                      |
| Drain water from compressor oil at sump  |  |                |                    |                      |                      |
| Check belt tension   |  |                |                    |                      |                      |
| Inspect and clean air filter element   |  |                |                    |                      |                      |
| Inspect and clean oil cooler element   |  |                |                    |                      |                      |

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|--|--|--|--|
| Check compressor support   |  |  |  |
| Change compressor oil and oil filter   |  |  |  |
| Check oil filter piping, fittings, and clamps                                  |  |  |  |
| Install new air filter element   |  |  |  |
| Check drive belts for excessive wear   |  |  |  |
| Check safety circuit switches  |  |  |  |
| Check compressor shaft seal for leakage  |  |  |  |
| Install new air filter element   |  |  |  |
| Replace spin-on coalescer element  |  |  |  |
| Typical compressor oil and filter change guide (consult manual for specifics): |  |  |  |
| Annually   | 500 hours or 6 months, whichever comes first |  |  |
| NOTE: Refer to your manual for specific hydraulic oil needed.                  |  |  |  |
| Recommended SAE grade oils for specific temperature ranges                     |  |  |  |
| -10°F to 75°F  | SAE 10 W class SE or CD                      |  |  |
| -20°F to 120°F   | HD 32 Hydraulic Oil                          |  |  |
| -40°F to 120°F   | Dextron III ATF                              |  |  |