Hot oil treatment

Hot oil treatment of a production tank or flowline

Starting point. Edit for the site, the fluid, the weather and the crew before anyone signs.

Site _____ **Date** _____ **Crew** _____ **Job number** _____

#	Task	Hazards	Controls	Who	Residual
1	Arrive, park, walk the location	Traffic on lease road; uneven ground; H2S on the pad; overhead lines near the tank battery	Park upwind and pointed out; monitor on and bump-tested; wind sock checked; spot overhead lines before raising anything	Operator	Low
2	Confirm the job with the pumper or company man	Wrong tank or wrong line treated; unknown fluid or pressure	Confirm tank, line, pressure and fluid by name and number; get the current pressure reading; know where the ESD is	Operator	Low
3	Position the unit and set up	Backing blind; soft ground; hose across a walkway	Spotter for every backing move; check ground before setting outriggers or jacks; route hoses where nobody walks	Operator, helper	Low
4	Ground and bond the unit to the tank	Static discharge igniting vapors	Bond before any connection; verify continuity; no connection until bonded	Helper, operator checks	Medium
5	Connect hoses and fittings	Pinch points at unions; stored pressure in the line; hammer unions struck wrong	Bleed the line and verify zero before opening; hands out of the pinch; strike hammer unions on the lug, gloves on, face turned	Helper	Medium
6	Light the burner and bring the unit to temperature	Flash from the burner; fuel leak; unit fire	Stand to the side to light; check fuel connections before lighting; extinguisher at hand and inspected; nobody leaves the unit running unattended	Operator	Medium
7	Circulate and treat	Hose failure under heat and pressure; burns from surfaces and fluid; over-pressuring the tank or line; thermal expansion	Stay clear of hose whip paths; rated hoses only, inspected before use; watch pressure and temperature the whole time; relief path confirmed; hot surfaces marked	Operator	Medium
8	Shut down, bleed, and disconnect	Residual heat and pressure; hot fluid release at the union	Cool down before disconnecting; bleed to zero and verify; open unions slowly with face turned; drip pan under every break	Operator, helper	Medium
9	Clean up, secure, and leave	Spill left behind; tools on the ground; driving tired	Walk the location; all fluid captured; count tools; report anything released, however small	Both	Low

STOP WORK. Any one of these and the job stops until it is settled.

1. H2S alarm
2. Wind shift onto the unit
3. Any leak at temperature
4. Lightning within sight
5. A pressure reading you did not expect

Hot oil treatment (continued)

Crew sign-off

Everyone on this job signs before work starts. A JSA filled in by one person in the truck is a form, not a JSA.

Name (printed)	Signature	Time on	Time off

Supervisor. Sign here if any step is still High after its controls, before that step starts.

Supervisor _____ **Date** _____