

SECTION 15490 HYDRAULIC OIL PIPING

PART 1 - GENERAL

1.1 RELATED SECTIONS

- A. Section 15050, Piping Systems.
- B. Section 15072, Cleaning.
- C. Section 15073, Pressure/Leak Testing.
- D. Section 15074, Identification and Labeling.

1.2 INDUSTRY STANDARDS

- A. ASTM A269 Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service, 2000
- B. SAE J1453 Fitting – O-Ring Face Seal FSC 4730, 86

1.3 DESIGN CONDITIONS

- A. The design pressure for Section 15490 piping is 3,000 psig at 150° F.

PART 2 - PRODUCTS

2.1 TUBING

- A. $\frac{3}{4}$ " diameter tubing shall be ASTM A269, seamless, Grade TP 304L, $\frac{3}{4}$ " x .065" wall thickness.
- B. 1- $\frac{1}{2}$ " diameter tubing shall be ASTM A269, seamless, Grade TP 304L, 1- $\frac{1}{2}$ " x .120" wall thickness.

2.2 FITTINGS

- A. Fittings shall be Parker Seal-Lok stainless steel series. Only Parflange style fittings shall be used.
- B. Fittings shall conform to the requirements set forth in SAE J1453.

PART 3 - EXECUTION

- 3.1 THE GENERAL MEANS AND METHODS DESCRIBED IN SECTION 15050 APPLY TO SYSTEMS FABRICATED AND INSTALLED UNDER THIS SECTION.
- 3.2 HYDRAULIC SYSTEMS SHALL BE CLEANED IN ACCORDANCE WITH SECTION 15072.
- 3.3 PIPING FABRICATED AND INSTALLED UNDER THIS SECTION SHALL BE PRESSURE AND LEAK TESTED IN ACCORDANCE WITH SECTION 15073. HYDROTEST PRESSURE SHALL BE 3,000 PSIG.
- 3.4 HYDRAULIC SYSTEM PIPING SHALL BE LABELED IN ACCORDANCE WITH SECTION 15074.
- 3.5 PARFLANGE TUBE FEATURES SHALL BE CREATED USING THE PARFLANGE 1040 MACHINE ONLY.

END OF SECTION 15490