

SECTION 15455
OIL WATER SEPARATORS

PART 1 GENERAL

1.1 DESCRIPTION

- A. Provide an approved oil water separation (OWS) system in all areas where motor vehicles are operated or stored.
- B. Maintenance of OWS shall be the Tenant's responsibility.

PART 2 PRODUCTS

2.1 OIL WATER SEPARATOR

- A. Performance:
 - 1. Influent Characteristics: Design separators for intermittent and variable flows of water, oil, or any combination of non-emulsified oil-water mixtures ranging from zero to the maximum flow anticipated, with operating temperatures of the influent oil in water mixture shall range from 40 degrees F. to 100 degrees F. Design for specific gravity of the oils at operating temperatures between 0.68 to 0.95, and the petroleum hydrocarbon concentration less than or equal to 200,000 mg/l (20 percent). The specific gravity of the water at operating temperatures shall range from 1.00 to 1.03.
 - 2. Effluent Characteristics: The free petroleum hydrocarbon concentration in the effluent from the oil water separator shall not exceed 10 mg/l (10 PPM).
- B. Provide product level and leak detection.
- C. In separator systems where storage capacity exceeds 100 gallons, provide double walled containment. If the storage tank is constructed of metal provide cathodic protection.

PART 3 EXECUTION

3.1 OIL WATER SEPARATOR INSTALLATION

- A. Installation: Install in accordance with manufacturer instructions.
- B. Submit certification of testing of the completed Oil water separator system.
- C. Leak detection system: Provide audible alarm for the leak detection system. Connect alarm contacts to the building automation system.

END OF SECTION