DADE COUNTY PUBLIC SCHOOLS

JOB DESCRIPTION

CLASS TITLE: Small Engine Mechanic JOB CODE: 6173

DEPARTMENT: Facilities Operations Maintenance PAY GRADE: 27 (B4) DATE: 02/22/23

BASIC OBJECTIVES

The Small Engine Mechanic performs skilled level repairs of two and four cycle internal combustion engines and related systems. Work is performed independently under the guidance of foreperson or other supervisory personnel. The work involves the troubleshooting, diagnosing, repairing, rebuilding and replacement of major and minor components of groundskeeping and support type equipment powered by gasoline and diesel engines.

JOB TASKS/RESPONSIBILITIES

1. Performs tasks by using the standard tools, materials, codes, methods and safe practices of small engine mechanics. Provided hand tools per M-DCPS Small Engine Mechanic Tool List.

2. Oversees use of and operates power driven and manually operated portable and shop tools and equipment.

3. Troubleshoots, diagnoses and repairs mechanical, electrical and suspension systems associated with two and four cycle gasoline and diesel engines for:

    a. Groundskeeping equipment such as self-propelled, large riding and push mowers, edgers, blowers, trimmers, vacuums, chain saws, plate compactors, stump grinders, and mini excavators.

    b. Support type equipment such as small portable generators, air compressors, pressure washers, paint sprayers and cement mixers.

4. Provides preventative maintenance service for gas- and diesel-powered equipment such as large area mowers, backhoes and skid steer loaders. Replace oil, hydraulic fluid, air filters, fan belts, sparkplugs and other minor repairs.

5. Lubricates and maintains equipment in accordance with established procedures and manufacturer recommendations and specifications.

6. Removes and repairs, rebuilds or replaces defective major and minor components including hydraulic hoses. Determines materials, parts, equipment, and tools required; oversees their use, security, and disposition. Maintains service and

repair records.

7. Repairs metal components using limited electric and oxyacetylene welding; maintains and makes minor repairs to welding equipment.

8. Operates equipment incidental to moving, inspecting, troubleshooting, and testing internal combustion engines and related system.

9. Directs work of lesser skilled personnel. Participates in providing on the job training or lesser skilled mechanics.

10. Performs other related duties as directed.

PHYSICAL REQUIREMENTS

This is medium work which requires the following physical activities: climbing, balancing, bending, stooping, kneeling, crouching, crawling, twisting, reaching, sitting, standing, walking, pushing, pulling, lifting, finger dexterity, grasping, feeling, talking, repetitive motions, hearing and visual acuity. The worker is exposed to hazards, atmospheric conditions, oils and is required to wear a respirator. The work is performed indoors and outdoors.

MINIMUM QUALIFICATION REQUIREMENTS

1. Written evidence of graduation from a high school or equivalent.

2. Ability to read, write and understand oral and written instructions.

3. Acceptable written evidence of a minimum of two (2) years diversified experience as a small engine mechanic, repairing and overhauling major mechanical components of groundskeeping and support type equipment.

OR

Successful completion of a job preparatory vocational program in gasoline engine repair from a school which is certified by an accrediting agency recognized by the Florida Department of Education.

4. Possession of a valid Florida Driver's License, Class E.

5. Satisfactory completion of a physical examination prior to hire.

Prior revision date(s): 05/04/94