

U.S. Department of Labor Employment and Training Administration Office of Apprenticeship Training, Employer and Labor Services (OATELS) Washington, D.C. 20210	<u>Distribution:</u> A-541 Headquarters A-544 All Field Tech A-547 SD+RD+SAC+; Lab.Com	<u>Subject:</u> New Apprenticeable Occupation - Lubrication Servicer-Materials Disposal Technician <u>Code:</u> 200
Symbols: DSNIP/FDK		Action: Immediate

PURPOSE: To transmit to the Office of Apprenticeship Training, Employer and Labor Services (OATELS), Bureau of Apprenticeship and Training (BAT) Staff the recognition of a new apprenticeable occupation:

Lubrication Servicer-Materials
 Disposal Technician
 O*NET/SOC Code: 49.9099.99
 RAIS Code: 1050
 Training Term: 2 years (4000 hours)
 Type of Training: Time - based

BACKGROUND: State Director John Hakala submitted the occupation on behalf of the Alaska Operating Engineers/Employers Trust. The OATELS Administrator approved the Lubrication Servicer-Materials Disposal Technician as a new apprenticeable occupation on March 12, 2003.

A suggested work process schedule and related instruction outline is attached for your information.

The Lubrication Servicer-Materials Disposal Technician will be added to the list of occupations recognized as apprenticeable by OATELS when the list is reissued.

ACTION: OATELS staff should familiarize themselves with this new occupation.

If you have any additional questions please contact (202) 693-3813.

Attachment

WORK PROCESSES
Lubrication Servicer-Materials Disposal Technician

O*NET Code: 49.9099.99 RAIS Code: 1051

DESCRIPTION : Must be able to perform a combination of the following duties. Performs daily service and maintenance of all motorized equipment on jobsite, and ensures hazardous materials compliance for jobsite. Must have firm knowledge of different types of fuel and cooling systems, hydraulic, transmissions, differentials, and air systems to ensure proper functioning and safety of equipment.

Maintains low and high pressure fuel systems. Inspects and services all types of cooling systems. Inspects and services transmissions and differentials. Greases and lubricates fittings, linkages, and drive assemblies. Conducts oil sampling tests and evaluates results. Monitors oil/lubricant and fuel levels in equipment. Services and maintains hydraulic systems. Inspects and maintains air systems. Inspects and replaces oil, fuel, and air filters.

Maintains service records on all equipment. Records (data input) and files cost summaries of equipment. Reference hazardous materials data and regulations, service and operations manuals, and parts books manually or by use of computer. Develops and maintains forms and records. Maintain service parts and hazardous materials inventory.

Must have firm knowledge of State and Federal regulations pertaining to working with hazardous materials on job site. Recognize and identify hazardous materials. Interprets material safety data and responds to inquiries of such. Ensures proper placarding and labeling, storage and disposal of hazardous materials. Develops HazMat procedures and plans to ensure regulatory compliance. Responds to and provides medical treatment in case of a hazardous material injury.

During the term of apprenticeship, the apprentice shall receive such instruction and experience, in all branches of the occupation, as is necessary to develop a practical and versatile worker. Major processes in which apprentices will be trained (although not necessarily in the order listed) and approximate hours (not necessarily continuous) to be spent in each are as follows:

	Approximate Hours
A) FUEL SYSTEMS	600 Hours
1. Proper Identification and Maintenance of Low and High Pressure Fuel Systems and Engines	
a. Alcohol	
b. Ethers	
c. Gas	
d. Diesel	
e. Kerosene	
2. Types of Filters – New & Older Engines	
a. Select replacement filters	
b. Change fuel filters	
c. Bleed fuel systems	
3. Maintenance and Minor Repair of Fuel Transfer Pumps	
B) COOLING SYSTEMS	300 Hours
1. Inspection of all types of Cooling Systems	
2. Servicing of Cooling System Components	
3. Maintain Correct Coolant Mixtures and Levels	
4. Select Proper Additives for Specific Equipment and Weather Conditions	

- C) TRANSMISSIONS & DIFFERENTIALS** **300 Hours**
1. Check Oil Levels
 2. Inspect Oil Seals (Transmission, Differential, and Engine)
 3. Identify Proper Oil and Filter Types for Specified Equipment
 4. Drain and Replace Oils
 5. Change Filters
 6. Collect and Analyze Oil Samples
 7. Inspection and Service of Track Rollers
 8. Inspection and Service of Final Drives
 9. Grease and Lubricate Fittings, Linkages, and Drive Assemblies
- D) HYDRAULIC SYSTEMS** **600 Hours**
1. Determine the Correct Service Requirements of New & Older Hydraulic Systems
 2. Inspect Fluid Levels
 3. Change Oils
 4. Drain and Refill Hydraulic System
 5. Replace Filters
 6. Clean Screens
 7. Determine Correct Oil and Viscosity Type for Specified Equipment and Weather Conditions
- E) AIR SYSTEMS** **200 Hours**
1. Inspect and Maintain Pressurized Air Systems
 2. Monitor Proper Alcohol Additive Levels for Cold Weather Operations
 3. Drain Air System Petcocks to Evaluate Fluids for Oils and Contaminants
 4. Drain and Refill Entire Air System
 5. Replace and Service Wet & Dry Air Cleaners
 6. Assess Indoor & Outside Air Conditions for Changeovers
- F) INTERPRETING HAZMAT REGULATIONS** **200 Hours**
1. Interpret Federal, State and Local Rules & Regulations
 2. Recognize & Identify Hazardous Materials
 3. Respond to Inquiries
- G) DEVELOPING HAZMAT PROCEDURES AND PLANS** **200 Hours**
1. Classify Materials
 2. Interpret Materials Safety Data
 3. Ensure Regulatory Compliance
 4. Develop Forms & Records
 5. Provide For and Revise Updates
- H) MANAGING, SAMPLING & HANDLING HAZARDOUS MATERIALS** **1000 Hours**
1. Managing of Hazardous Materials
 2. Ensure Regulatory Compliance
 3. Maintain Inventory Control
 4. Control Proper Usage
 5. Control Storage of Hazardous Materials
 6. Ensure Proper Disposal of All Hazardous Materials

I) EMERGENCY RESPONSE	250 Hours
1. Prepare Response Plan	
2. Reporting Requirements	
3. Incident Reports (Spills)	
4. Safety Plans	
5. Reaction to Toxic Materials	
6. Different Types of Solvents	
7. Communication – Written, Verbal & Computer	
8. Must Acquire Hazmat Certification	
J) ADMINISTRATION & RECORDS	350 Hours
1. Review Service and Operations Manuals, and Parts Catalogs	
TOTAL	4000 Hours

RELATED INSTRUCTION - SUGGESTED FIRST YEAR

A. COMMERCIAL DRIVERS LICENSE Required by State & Federal Law	80 Hours
B. BASIC COMPUTER TRAINING	40 Hours
C. GENERAL KNOWLEDGE	40 Hours
1. Fuel & Water Systems	
2. Transmissions & Differentials	
3. Hydraulic & Air Systems	
D. RECORD KEEPING	40 Hours
1. Cost & Operating Data	
2. Monthly & Cumulative Cost Summary	
3. Service Record On Equipment & Machines	
E. SAFETY	40 Hours
1. Potential Job Hazard Related to Work as a Service Oiler/	
2. Hazardous Materials Technician	
3. Personal Safety Prevention	
TOTAL	240 Hours

SUGGESTED SECOND YEAR

F. ACQUIRE AND MAINTAIN HAZARDOUS MATERIAL CERTIFICATION	40 Hours
G. ACQUIRE AND MAINTAIN HAZARDOUS MATERIAL SUPERVISORS CARD	16 Hours
H. INTERPRETING REGULATIONS – OSHA, DOT, EPA	20 Hours
I. DEVELOP PLANS & PROCEDURES	20 Hours
1. Classify Materials	
2. Develop Forms and Records	
3. Maintain Records	
J. MANAGING & HANDLING OF HAZARDOUS MATERIALS	40 Hours
1. Ensure Regulatory Compliance	
2. Control Proper Usage and Storage of Hazardous Materials.	
3. Transportation of Hazardous Materials Permits and Manifests.	
K. SAFETY & RESPONSE	40 Hours
1. Gather Information About Incident	
2. Implement Response Plan	
3. Report Injury or Spills	
4. Direct Use of Emergency Equipment and Cleanup	
5. Following Organizations Policies & Procedures	
L. RECORD KEEPING AND FILE	40 Hours
Communication, Verbal, Written & Computer	
TOTAL	216 Hours