

BA03: Lubrication for Technicians

Catalogue Number	77-BA03-0001
Category	Foundation Skills
Duration	15 Hours

Introduction to Lubrication for Technicians

Skill 1: Lubrication Fundamentals

- 1.1: Basic Lubrication
- 1.2: Types of Lubricants
- 1.3: Using Friction to Reduce Friction
- 1.4: Using Lubricants to Reduce Wear
- 1.5: Using lubricants to Absorb Shock
- 1.6: Use of Lubricants to Reduce Heat
- 1.7: Use of Lubricants to Prevent Corrosion
- 1.8: Use of Lubricants as Seals
- 1.9: Skill Overview
- 1.10: Skill Drill
- 1.11: Concept Review

Skill 2: Lubrication Terms

- 2.1: Terms Definitions
- 2.2: Viscosity
- 2.3: Lubricant Additives
- 2.4: Skill Overview
- 2.5: Skill Drill
- 2.6: Concept Review

Skill 3: Identifying Lubricating Oils

- 3.1: Selecting a Lubricant
- 3.2: Types of Lubricating Oils
- 3.3: Skill Overview
- 3.4: Skill Drill
- 3.5: Concept Review

Skill 4: Identifying General Purpose Greases

- 4.1: Basics of Grease
- 4.2: Grease Manufacturing Techniques
- 4.3: Components of Grease
- 4.4: Grease Classifications
- 4.5: Skill Overview
- 4.6: Skill Drill
- 4.7: Concept Review

Skill 5: Identifying Special Purpose Greases

- 5.1: Introduction
- 5.2: EP Greases
- 5.3: Additives in EP Greases
- 5.4: EP Greases Operating Temperatures
- 5.5: Graphite Lubricants
- 5.6: Silicone Lubricants
- 5.7: Skill Overview
- 5.8: Skill Drill
- 5.9: Concept Review

Skill 6: Applying Lubricating Oils

- 6.1: Once-Through Oiling
- 6.2: Oil Reservoirs
- 6.3: Circulating Oil Systems
- 6.4: Special Methods for Unique Applications
- 6.5: Maintaining Lubricating Oils
- 6.6: Skill Overview
- 6.7: Skill Drill
- 6.8: Concept Review

Skill 7: Applying Lubricating Greases

- 7.1: Introduction
- 7.2: Grease Application Methods
- 7.3: Grease Fittings
- 7.4: Maintaining Lubrication Greases
- 7.5: Improper Lubrication
- 7.6: Skill Overview
- 7.7: Skill Drill
- 7.8: Concept Review

Skill 8: Bearing Lubrication

- 8.1: Introduction
- 8.2: Plain Bearings
- 8.3: Journal Bearings
- 8.4: Thrust Bearings
- 8.5: Guide Bearings
- 8.6: Anti Friction Bearings
- 8.7: Choosing a Lubricant
- 8.8: Skill Overview
- 8.9: Skill Drill
- 8.10: Concept Review

Skill 9: Setting Up a Lubrication Schedule

- 9.1: Introduction
- 9.2: Planning a Lubrication Schedule
- 9.3: Lubrication Frequency
- 9.4: System Controls
- 9.5: Skill Overview
- 9.6: Skill Drill
- 9.7: Concept Review

Skill 10: Selecting Synthetic Lubricants

- 10.1: The Need for Synthetic Lubricants
- 10.2: Synthetic Lubricants
- 10.3: Main Synthetic Lubricants Used
- 10.4: Skill Overview
- 10.5: Skill Drill
- 10.6: Concept Review

Skill 11: Grease Guns

- 11.1: Parts of a Grease Gun
- 11.2: Loading a Grease Gun
- 11.3: Skill Overview
- 11.4: Skill Drill
- 11.5: Concept Review

Skill 12: Bearing Packers

- 12.1: Bearings
- 12.2: Skill Overview
- 12.3: Skill Drill
- 12.4: Concept Review

Skill 13: Grease Lubricators

- 13.1: Grease Lubricators and Feeders
- 13.2: Skill Overview
- 13.3: Skill Drill
- 13.4: Concept Review

Skill 14: Drop Oil Feeders

- 14.1: Chain Lubrication
- 14.2: Skill Overview
- 14.3: Skill Drill
- 14.4: Concept Review

Skill 15: Electric Chain Oilers

- 15.1: Electric Chain Oiler
- 15.2: Skill Overview
- 15.3: Skill Drill
- 15.4: Concept Review

Comprehensive Post-Test