



PRODUCT DATA SHEET

Premium Quality Lubricants

NATIONAL™ WAY OILS

Premium Quality Oils for Machine Tool Slides & Tables

PRODUCT DESCRIPTION

NATIONAL™ Way oils are formulated using special additives that prevent stick-slip. These oils contain a tackiness additive that helps prevent the oil from being squeezed out of small clearances by heavily-loaded machines or running of vertical ways. These oils meet the following requirements:

INDUSTRY AND OEM SPECIFICATIONS

◆ Cincinnati Machine (appropriate viscosity grades) P47 and P50

APPLICATIONS

NATIONAL™ Way oils can be used in both open and enclosed gear applications, and are especially useful where leakage is a concern. These oils are recommended for use in all types of gear sets where tacky, industrial extreme pressure lubricant is required. They are also ideal for bearing lubrication where reduced leakage is desired. These oils are non-staining and may used in worm gears, except for those applications where the manufacturer specifically warns against the use of active sulfur-phosphorous EP gear oil. Typical applications - Horizontal and sideways on machine tools such as:

- Grinders
- Lathes
- Planers
- Shapers
- Slotters
- Boring, Drilling, Milling and Screw machines
- Air line lubricant for Pneumatic equipment such as Jackhammers, pavement breakers and rock drills

TYPICAL PROPERTIES

| ISO GRADE | TEST | 32 | 68 | 100 | 220 |
|------------------|-------|------|------|------|------|
| Viscosity @100°C | D445 | 5.6 | 10.7 | 13.5 | 18.5 |
| Viscosity @40°C | D445 | 33.1 | 65 | 106 | 217 |
| Viscosity Index | D2770 | 107 | 136 | 125 | 94 |
| Pour Point, °C | D97 | -20 | -20 | -10 | -10 |

PN2008JAN