

## BIO-FLEET™ HYDRAULIC FLUID

Readily Biodegradable/VGP approved.  
 Our most popular hydraulic fluid sold, also the most affordable.  
 Bio-Fleet does not sacrifice performance for cost.  
 Direct replacement for premium petroleum hydraulic fluids.  
 Designed to replace any zinc or zinc-free petroleum hydraulic fluids on the market.  
 Perfect for leaky hydraulic systems.

*Waste Disposal, Construction, Forestry, Municipalities, Boat Lifts, Elevators, Mining*

| ISO Grade       | 22    | 32    | 46    | 68    |
|-----------------|-------|-------|-------|-------|
| Pour Point      | -38°C | -35°C | -33°C | -30°C |
| Viscosity @40°C | 22.3  | 30.5  | 43.1  | 62.8  |
| Item#           | 80810 | 80820 | 80830 | 80840 |

## BIO-ULTIMAX™ 1000 HYDRAULIC FLUID

Readily Biodegradable/VGP approved.  
 Improved oxidation stability and cold temperature performance over Bio-Fleet Hydraulic Fluid.  
 Oxidation performance comparable to full synthetics on the market.  
 Can be used in conjunction with oil analysis to save the customer time and money.

*Waste Disposal, Construction, Forestry, Municipalities, Boat Lifts, Elevators, Mining*

| ISO Grade       | 32    | 46    | 68    | 100   |
|-----------------|-------|-------|-------|-------|
| Pour Point      | -40°C | -40°C | -39°C | -34°C |
| Viscosity @40°C | 30.87 | 43.8  | 64.1  | 92.0  |
| Item#           | 81000 | 81010 | 81020 | 81030 |

## BIO-ULTIMAX™ 1200 LT HYDRAULIC FLUID

Readily Biodegradable/VGP approved.  
 Designed for extreme cold temperature performance.  
 Direct replacement for synthetic low temp hydraulic fluids.  
 Full Synthetic.

*Waste Disposal, Construction, Forestry, Municipalities, Boat Lifts, Elevators, Mining*

| ISO Grade       | 5     | 10    | 15    | 22    | 32    | 46    |
|-----------------|-------|-------|-------|-------|-------|-------|
| Pour Point      | -60°C | -60°C | -60°C | -54°C | -50°C | -48°C |
| Viscosity @40°C | 4.48  | 10.65 | 14.0  | 21.3  | 30.9  | 44.9  |
| Item#           | 81460 | 81470 | 81310 | 81320 | 81330 | 81340 |

# SPECIALTY

## BIO-ULTIMAX™ 1500 DIELECTRIC HYDRAULIC

Readily Biodegradable/VGP approved.  
 High dielectric strength fluid that helps protect operators and in bucket/boom trucks.  
 Used in utility companies throughout the US (Seattle Light, OPPD, PP&L)  
 Top Tier Hydraulic Fluid, similar performance to Bio-Ultimax 1200LT.  
 Altec/Gene Terex Approved.  
 Full Synthetic.

*Power/Utility Bucket Trucks, Scissor Lifts, any hydraulic application that requires Strong Dielectric Insulating properties*

| ISO Grade       | 22    | 32    | 46    | 68    |
|-----------------|-------|-------|-------|-------|
| Pour Point      | -50°C | -46°C | -40°C | -36°C |
| Viscosity @40°C | 20.7  | 31.1  | 44.5  | 64.2  |
| Item#           | 81090 | 81050 | 81060 | 81070 |

## BIO-FOOD GRADE HYDRAULIC FLUID

Environmentally Friendly and Food Grade.  
 Readily Biodegradable/VGP approved.  
 Kosher Certified free of animal products.  
 Can be used in agricultural equipment and water treatment facilities.  
 Petroleum free, safer than petroleum-based food grade hydraulic fluids.  
 Food Grade NSF H1 Registered.

*Food Manufacturing, Agriculture, Water Treatment Facilities, any application which requires Food Grade products.*

| ISO Grade       | 15    | 22    | 32    | 46    | 68    | 100   |
|-----------------|-------|-------|-------|-------|-------|-------|
| Pour Point      | -48°C | -44°C | -40°C | -38°C | -33°C | -31°C |
| Viscosity @40°C | 15.6  | 21.1  | 33.7  | 45.0  | 67.9  | 98.4  |
| Item#           | 87090 | 87100 | 87120 | 87130 | 87140 | 87150 |

## BIO-SYNXTRA™ MARINE HYDRAULIC FLUID

Readily Biodegradable/VGP approved.  
 Fully Synthetic/Fully Saturated Ester HEES Formulation.  
 Designed for world-wide marine applications in international waters.  
 Meets ECOLABEL and VGP.

*Marine, International Environmental Protection or any HEES application.*

| ISO Grade       | 32    | 46    | 68    | 100   |
|-----------------|-------|-------|-------|-------|
| Pour Point      | -48°C | -46°C | -43°C | -41°C |
| Viscosity @40°C | 32.7  | 44.7  | 66.3  | 96.6  |
| Item#           | 80850 | 80860 | 80870 | 80880 |

## BIO-HVO2 FIRE RESISTANT HYDRAULIC FLUID

Readily Biodegradable/VGP approved.  
 High Flash Point above 274°C / 525°F.  
 Most environmentally friendly hydraulic fluid offered.  
 Perfect for industrial manufacturing facilities.  
 Great for elevator systems with no fire suppression.

*Manufacturing, Steel Manufacturing, Elevators, any application that calls for Fire Resistant Hydraulic Fluid.*

| ISO Grade       | 32    | 46    | 68    |
|-----------------|-------|-------|-------|
| Pour Point      | -35°C | -33°C | -30°C |
| Viscosity @40°C | 34.2  | 44.0  | 64.0  |
| Item#           | 81590 | 81600 | 81610 |

## BIO-FLEET™ TRANS-HYDRAULIC FLUID

Readily Biodegradable/VGP Approved.  
 Direct Replacement for Top Tier Tractor Hydraulic Fluid.  
 Meets Recent OEM Performance Criteria.  
 Lubrizol Tractor Life Approved.

*Cold Temperatures Applications, Hydro Electric, Marine, Forestry, Construction*

|                 |       |
|-----------------|-------|
| Pour Point      | -39°C |
| Viscosity @40°C | 47.8  |
| Item#           | 81200 |

## BIO-SYNXTRA™ TRANS-HYDRAULIC FLUID

Readily Biodegradable/VGP Approved.  
 Direct Replacement for Top Tier All Season Tractor Hydraulic Fluid.  
 Improved Cold Temperature and Oxidation Performance.  
 Meets Recent OEM Performance Criteria.  
 Lubrizol Tractor Life Approved.

*Manufacturing, Steel Manufacturing, Elevators, etc.*

|                 |       |
|-----------------|-------|
| Pour Point      | -45°C |
| Viscosity @40°C | 46.38 |
| Item#           | 81220 |

## BIO-E.P.™ GEAR OIL

Readily Biodegradable/VGP approved.  
Directly replaces conventional Petroleum Gear Oil.  
Can be used in worm gear applications.  
Soft metal friendly.

*Industrial Factory, Construction, Forestry, Municipalities, Mining, Marine*

| ISO Grade       | 46    | 68    | 100   | 150   | 220   | 320   | 460   |
|-----------------|-------|-------|-------|-------|-------|-------|-------|
| Pour Point      | -38°C | -35°C | -34°C | -34°C | -32°C | -27°C | -22°C |
| Viscosity @40°C | 43.1  | 63.9  | 88.2  | 132   | 186   | 274.1 | 384   |
| Item#           | 82200 | 82210 | 82220 | 82230 | 82240 | 82250 | 82260 |

## BIO-SYNXTRA™ E.P. GEAR OIL

Readily Biodegradable/VGP approved.  
Directly replaces Petroleum Synthetic Gear Oil.  
Can be used in conjunction with oil analysis to save the customer time and money.  
Can be used in worm gear applications.  
Soft metal friendly.

*Industrial Factory, Construction, Forestry, Municipalities, Mining, Marine*

| ISO Grade       | 46    | 68    | 100   | 150   | 220   | 320   | 460   | 680   | 1000  |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Pour Point      | -45°C | -42°C | -40°C | -39°C | -38°C | -35°C | -32°C | -30°C | -27°C |
| Viscosity @40°C | 42.7  | 64.2  | 93.5  | 139   | 203   | 306   | 426   | 638   | 925   |
| Item#           | 82400 | 82410 | 82420 | 82430 | 82440 | 82450 | 82460 | 82470 | 82480 |

## BIO-FOOD GRADE™ GEAR OIL

Readily Biodegradable/VGP approved.  
Food Grade NSF H1 Registered.  
Kosher Certified.  
Can be used in worm gear applications.  
Soft metal friendly.

*Food Processing, Fisheries, Agriculture, Water Treatment Plants*

| ISO Grade       | 32    | 46    | 68    | 100   | 150   | 220   | 320   | 460   | 680   |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Pour Point      | -40°C | -38°C | -33°C | -31°C | -27°C | -25°C | -22°C | -20°C | -18°C |
| Viscosity @40°C | 31.6  | 45.0  | 65.4  | 97.9  | 142.0 | 212.5 | 306.8 | 442.5 | 640   |
| Item#           | 87200 | 87210 | 87220 | 87230 | 87240 | 87250 | 87260 | 87270 | 87280 |

# GREASES

## BIO-HIGH TEMP™ 180 E.P. GREASE

|                 |       |
|-----------------|-------|
| NLGI            | #2    |
| Pour Point      | -36°C |
| Viscosity @40°C | 179   |
| Item#           | 87610 |

Readily Biodegradable/VGP approved.  
Lithium Complex Thickener.  
Great environmental replacement for Premium Greases.  
Color: Turquoise.

*Industrial Factory, Construction, Forestry, Municipalities, Mining, Marine*

## BIO-FOOD GRADE™ E.P. GREASE

| NLGI            | #0    | #1    | #2    |
|-----------------|-------|-------|-------|
| Pour Point      | -30°C | -30°C | -30°C |
| Viscosity @40°C | 42.10 | 42.10 | 42.10 |
| Item#           | 87520 | 87510 | 87500 |

Readily Biodegradable/VGP approved.  
Aluminum Complex Thickener.  
Food Grade NSF H1 Registered.  
Kosher Certified.  
Color: White.

*Food Processing, Fisheries, Agriculture, Water Treatment Plants*

# PENETRANTS

## BIO-BLAST™ PENETRATING LUBRICANT

|                 |       |
|-----------------|-------|
| Pour Point      | -30°C |
| Viscosity @40°C | 5     |
| Item#           | 80350 |

Readily Biodegradable/VGP approved.  
Multifunctional Penetrant.  
Non-Staining for all types of metals.  
Penetrates into close tolerances and prevents corrosion.

*Replaces all Multipurpose Penetrants, For General Equipment Use,  
Perfect for locations with potential Corrosion.*

## BIO-PENETRATING LUBRICANT™ (FOOD GRADE)

|                 |       |
|-----------------|-------|
| Pour Point      | -30°C |
| Viscosity @40°C | 13    |
| Item#           | 87000 |

Readily Biodegradable/VGP approved.  
Food Grade NSF H1 Registered.  
Kosher Certified.  
Multifunctional Penetrant.  
Can be used for light cutting, drilling, and tapping of metals.

*Replaces all Multipurpose Penetrants, For General Equipment Use,  
Perfect for locations with potential Corrosion.*



# INDUSTRIAL LUBRICATION GUIDE

