

Maximizing the efficiency of your process! Buhmwoo's eco-friendly industrial lubricants will make it happen.

Hydraulic Fluids

Main Products

1) Mineral Oil

| Types | Product Series | Items | Kinematic Viscosity (40°C, mm ² /s) | Viscosity Index | Flash Point (COC, °C) | Pour Point (°C) | Copper Corrosion (100°Cx3hrs) |
|------------------------------------|---------------------|--------|--|-----------------|-----------------------|-----------------|-------------------------------|
| General ISO-L-HL Type | BW HYDRO BL-Series | BL-22 | 22 | 100 | 210 | -27.5 | 1A |
| | | BL-32 | 32 | 100 | 210 | -27.5 | 1A |
| | | BL-46 | 46 | 100 | 220 | -27.5 | 1A |
| | | BL-68 | 68 | 100 | 230 | -27.5 | 1A |
| | | BL-100 | 100 | 100 | 240 | -25 | 1A |
| Wear Resistant ISO-L-HM Type | BW HYDRO BH-Series | BH-22 | 22 | 120 | 230 | -30 | 1A |
| | | BH-32 | 35 | 115 | 230 | -30 | 1A |
| Wear Resistant ISO-L-HM Type | BW HYDRO BH-Series | BH-46 | 46 | 115 | 230 | -30 | 1A |
| | | BH-68 | 68 | 110 | 230 | -30 | 1A |
| | | BH-100 | 100 | 105 | 240 | -25 | 1A |
| | BW HYDRO BHP-Series | BHP-32 | 32 | 120 | 230 | -35 | 1A |
| | | BHP-46 | 46 | 120 | 240 | -32.5 | 1A |
| | | BHP-68 | 68 | 120 | 250 | -30 | 1A |
| High Viscosity Index ISO-L-HV Type | BW HYDRO BV-Series | BV-32 | 32 | min. 150 | min. 210 | -40 | 1A |
| | | BV-46 | 46 | min. 150 | min. 210 | -40 | 1A |
| | | BV-68 | 68 | min. 150 | min. 210 | -40 | 1A |

* The properties and shapes may be changed without prior notice for quality improvement.

Industrial Lubricant

2) Fire Resistant (Polyol Ester, ISO-L-HFDU type)

| Series | Items | Kinematic Viscosity (40°C, mm ² /s) | Viscosity Index | Flash Point (COC, °C) | Pour Point (°C) | Copper Corrosion (100°Cx3hrs) |
|------------------------|---------|--|-----------------|-----------------------|-----------------|-------------------------------|
| BW HYDRO BFE-Series | BFE-346 | 46 | 180 | min. 275 | max. -20 | 1A |
| | BFE-356 | 56 | 180 | min. 275 | max. -20 | 1A |
| | BFE-368 | 68 | 180 | min. 275 | max. -20 | 1A |

* Applicable to : Fluor elastomer(Viton®), PTFE(Teflon®), NBR(Buna-N), AU(Polyurethane)

* Non-applicable to : phenol resin

* The properties and shapes may be changed without prior notice for quality improvement.

3) Fire Resistant (Water-glycol, ISO-L-HFC type)

| Series | Items | Kinematic Viscosity (40°C, mm ² /s) | Viscosity Index | Water Content (%) | Pour Point (°C) | pH |
|------------------------|---------|--|-----------------|-------------------|-----------------|-----|
| BW HYDRO BWG-Series | BWG-138 | 38 | min. 200 | 40 | -50 | 9.7 |
| | BWG-146 | 46 | min. 200 | 40 | -50 | 9.7 |
| | BWG-156 | 56 | min. 200 | 40 | -50 | 9.7 |

* Applicable to : NBR (Buna-N), Fluor elastomer (Viton®), PTFE (Teflon®), Corfam

* Non-applicable to : Zn, Al, Mg, Cd, AU (Urethane), Nylon fiber, Leather, Cork, Paper, inner painting for tanks

* The properties and shapes may be changed without prior notice for quality improvement.

Slideway Lubricant

| Tackiness | Series | Items | Kinematic Viscosity (40°C, mm ² /s) | Flash Point (COC, °C) | Pour Point (°C) | Copper Corrosion (100°Cx3hrs) |
|-----------|----------------------|---------|--|-----------------------|-----------------|-------------------------------|
| ○ | BW WAY BSH-Series | BSH-32 | 32 | 220 | -30 | 1B |
| | | BSH-68 | 68 | 220 | -30 | 1B |
| | | BSH-220 | 220 | 240 | -20 | 1B |
| X | BW WAY BS-Series | BS-32 | 32 | 220 | -30 | 1B |
| | | BS-68 | 68 | 220 | -30 | 1B |
| | | BS-220 | 220 | 240 | -20 | 1B |

* The properties and shapes may be changed without prior notice for quality improvement.

Industrial Lubricant

Gear Oil

| Series | Items | Kinematic Viscosity (40°C, mm ² /s) | Flash Point (COC, °C) | Pour Point (°C) | Copper Corrosion (100°Cx3hrs) |
|-----------------------|---------|--|-----------------------|-----------------|-------------------------------|
| BW GEAR BHG-Series | BHG-68 | 68 | min. 220 | -27.5 | 1B |
| | BHG-100 | 100 | min. 220 | -25 | 1B |
| | BHG-150 | 150 | min. 220 | -22.5 | 1B |
| | BHG-220 | 220 | min. 220 | -20 | 1B |
| | BHG-320 | 320 | min. 220 | -17.5 | 1B |
| | BHG-460 | 460 | min. 220 | -15 | 1B |
| | BHG-680 | 680 | min. 220 | -15 | 1B |

* The properties and shapes may be changed without prior notice for quality improvement.

Machine Oil

| Type | Series | Items | Kinematic Viscosity (40°C, mm ² /s) | Viscosity Index | Flash Point (COC, °C) | Pour Point (°C) | Copper Corrosion (100°Cx3hrs) |
|---------------------------------------|-----------------------------|----------|--|-----------------|-----------------------|-----------------|-------------------------------|
| ISO-L-HL Type | BW MULTI BM-Series | BM-22 | 22 | 100 | 210 | -30 | 1A |
| | | BM-32 | 32 | 100 | 210 | -30 | 1A |
| | | BM-46 | 46 | 100 | 220 | -30 | 1A |
| | | BM-68 | 68 | 100 | 230 | -27.5 | 1A |
| | | BM-100 | 100 | 100 | 240 | -25 | 1A |
| | | BM-150 | 150 | 100 | 250 | -22.5 | 1A |
| | | BM-220 | 220 | 100 | 260 | -20 | 1A |
| | | BM-320 | 320 | 100 | 270 | -17.5 | 1A |
| | | BM-460 | 460 | 100 | 280 | -15 | 1A |
| MILD EP Type with Extreme Pressure | BW MULTI BM-EX Series | BM-22EX | 22 | 100 | 210 | -30 | 1B |
| | | BM-32EX | 32 | 100 | 210 | -30 | 1B |
| | | BM-46EX | 46 | 100 | 220 | -30 | 1B |
| | | BM-68EX | 68 | 100 | 230 | -27.5 | 1B |
| | | BM-100EX | 100 | 100 | 240 | -25 | 1B |
| | | BM-150EX | 150 | 100 | 250 | -22.5 | 1B |
| | | BM-220EX | 220 | 100 | 260 | -20 | 1B |
| | | BM-320EX | 320 | 100 | 270 | -17.5 | 1B |
| | | BM-460EX | 460 | 100 | 280 | -15 | 1B |

* The properties and shapes may be changed without prior notice for quality improvement.

Industrial Lubricant

Spindle Oil

| Series | Items | Kinematic Viscosity (40°C, mm ² /s) | Flash Point (COC, °C) | Pour Point (°C) | Copper Corrosion (100°Cx3hrs) |
|-------------------|------------|---|--------------------------|-----------------|----------------------------------|
| BW SPIN-Series | BW SPIN-2 | 1.6 | 96 | -10 | 1B |
| | BW SPIN-2H | 2 | 108 | -7.5 | 1B |
| | BW SPIN-5 | 5 | 120 | -25 | 1B |
| | BW SPIN-7 | 7 | 160 | -40 | 1B |
| | BW SPIN-10 | 10 | 176 | -40 | 1B |
| | BW SPIN-15 | 15 | 180 | -40 | 1B |
| | BW SPIN-22 | 22 | 210 | -40 | 1B |

* The properties and shapes may be changed without prior notice for quality improvement.

Heat Transfer Fluid

| Series | Items | Kinematic Viscosity (40°C, mm ² /s) | Flash Point (COC, °C) | Pour Point (°C) | Copper Corrosion (100°Cx3hrs) |
|--------------------|-------------|---|--------------------------|-----------------|----------------------------------|
| BW THERM Series | BW THERM 32 | 32 | min. 220 | max. -15 | 1B |
| | BW THERM 46 | 46 | min. 230 | max. -15 | 1B |

* The properties and shapes may be changed without prior notice for quality improvement.

Air Compressor Oil

| Series | Items | Kinematic Viscosity (40°C, mm ² /s) | Flash Point (COC, °C) | Pour Point (°C) | Copper Corrosion (100°Cx3hrs) |
|-------------------|--------------|---|--------------------------|--------------------|----------------------------------|
| BW COMP-Series | BW COMP-32SE | 32 | 230 | max. -35 | 1B |
| | BW COMP-46SE | 46 | 240 | max. -35 | 1B |
| | BW COMP-68S | 68 | 240 | max. -30 | 1B |
| | BW COMP-100S | 100 | 250 | max. -30 | 1B |

* The properties and shapes may be changed without prior notice for quality improvement.

Vacuum Pump Oil

| Series | Items | Kinematic Viscosity (40°C, mm ² /s) | Flash Point (COC, °C) | Pour Point (°C) | Copper Corrosion (100°Cx3hrs) |
|---------------|------------|---|--------------------------|--------------------|----------------------------------|
| BW VPL-Series | BW VPL-68 | 68 | 250 | -30 | 1B |
| | BW VPL-100 | 100 | 250 | -30 | 1B |

* The properties and shapes may be changed without prior notice for quality improvement.

Industrial Lubricant

Dry Film Chain Lubricant

| Series | Items | Kinematic Viscosity (40°C, mm ² /s) | Flash Point (COC, °C) | Pour Point (°C) | Appearance (Visual Inspection) |
|---------------|------------|---|--------------------------|--------------------|-----------------------------------|
| BW MCL-Series | BW MCL 40 | 4.6 | min. 120 | -25 | Black Suspension |
| | BW MCL 100 | 12.5 | min. 120 | -25 | Black Suspension |

* The properties and shapes may be changed without prior notice for quality improvement.

Door-closer Oil

| Series | Items | Kinematic Viscosity (40°C, mm ² /s) | Viscosity Index | Flash Point (COC, °C) | Pour Point (°C) |
|-------------------------|------------------|---|-----------------|--------------------------|--------------------|
| BW DOORCLOSER Series | BW DOORCLOSER 40 | 43 | min. 210 | min. 200 | max. -45 |
| | BW DOORCLOSER 60 | 63 | min. 210 | min. 200 | max. -40 |

* The properties and shapes may be changed without prior notice for quality improvement.