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A Brief History of OPCO®

OPCO® products were first manufactured in the mid-1960’s by Olsen Products Company in Milwaukee, Wisconsin. The OPCO® business was acquired by the Madison- Kipp Corporation of Madison, Wisconsin in 1967, where OPCO® products were manufactured and sold world-wide by the Madison-Kipp Products Division, and then Kipp Lubrication Systems, beginning in mid-1987. The ChainMaster® and WearMaster® product names were introduced in 1987.

In August 1989, IDEX Corporation acquired Kipp Lubrication Systems from Madison-Kipp Corporation, and the Madison, Wisconsin-based Kipp Lubrication Systems was integrated into the operations of Lubriquip, Inc., Cleveland, Ohio, A Unit of IDEX Corporation. The Madison-based operation did business as KLS Lubriquip until 2001, when the use of KLS as part of the company name was discontinued. Lubriquip maintained manufacturing operations in Madison, Wisconsin and in Cleveland, Ohio.

Graco Inc., headquartered in Minneapolis, Minnesota, acquired Lubriquip, Inc. from IDEX Corporation in July 2006. Brands acquired as part of that acquisition by Graco Inc. included OPCO®, ChainMaster®, WearMaster®, Trabon, Manzel and Grease Jockey. Graco Inc. moved the Lubriquip manufacturing operations in Madison and Cleveland to Anoka, Minnesota where they were manufactured and sold by Graco’s Lubrication Equipment Division.

In October of 2009, OPCO® Lubrication Systems, Inc. acquired the assets related to the OPCO®, ChainMaster® and WearMaster® branded industrial lubrication equipment business from Graco, Inc. Manufacturing of OPCO® products was moved to facilities in Fremont, Michigan where OPCO® is made in a joint-venture manufacturing operation with Mighty Lube Systematic Lubrication, Inc.®

The joint venture between Mighty Lube® and OPCO® has allowed both companies to focus, not only on producing quality products, but also on providing exceptional service and support. As a result of this new focus, OPCO® has been able to provide customers with service parts and support for older OPCO® equipment which had previously been discontinued. Working together and pooling resources will continue to prove beneficial to customers as new products are developed in the future.
E-Series
ALL ELECTRIC LUBRICATION SYSTEMS

FEATURES/BENEFITS

Solid shot lubricating designs available for a wide variety of moving points, chains and conveyors
Reduce downtime due to premature conveyor wear
Eliminates surging caused by non-lubricated conveyor components
Available in kit* form for general purpose use
Low-cost installation
Conveyor runs smoother, keeps product from swaying, reducing possibility of damage to product and injury on the line
Delivers a wide viscosity range of lubricants
Reduces drive-power requirements
Integral 5-gallon reservoir
No waste or contamination—a metered amount of lubricant is cleanly and precisely delivered to the wear points
Independent operation or centralized fill
Built-in power-on and low-lubricant-level status lights

All electric lubrication systems for conveyors - no air required

ELECTRIC-ONLY LUBRICATION —RELIABLE AND EFFICIENT OPERATION

The ChainMaster® E-Series Lubrication Systems are all electric and designed to deliver metered amounts of lubricant in solid shot form to conveyor wear points. The lubricant shots are discharged from nozzles which are rigidly mounted close to the moving wear pints.

The system consists of a reservoir/pump and controls assembly, and a sensing and delivery assembly. The reservoir/pump and controls assembly includes the integral lubricant reservoir, the electronic controls and the pump module. The sensing and delivery assembly includes one or more target sensors, nozzles and tubing for lubricant delivery and all bracketry.*

*Units supplied in kit form include proximity switch and nozzle brackets only.
OP-4A
AUTOMATIC CHAIN PIN OILER

CLEAN, EFFECTIVE LUBRICATION
OF MOST OVERHEAD MONORAIL

OP-4A is the most accurate conveyor chain pin lubricator on the market today.

ACCURATE, RELIABLE OPERATION

The OP-4A is pneumatically powered and electrically timed. A caterpillar chain assembly engages the conveyor chain, engaging the oil dispensing nozzle plate, moving it over the chain pin links. An air operated pump meters a precise amount of oil through each nozzle, lubricating chain pins and links simultaneously. The 1000-hour repeat cycle timer features cycle progress display and memory.

OPTIONAL COMPONENTS

Lubricant reservoir auto-fill device
12 hour manual on/automatic off timer.
Manual on/off (no electric required).

The OP-4A system lubricates chain pins while conveyor is running under normal conditions.

Automatically deposits a clean, metered shot of oil directly and precisely to chain pins at desired intervals. No waste or mess from over oiling.

Proper lubrication reduces friction and wear extends conveyor life.

Fast payback based on reduced maintenance and extended productive conveyor life.

Eliminates surging caused by non-lubricated and worn chains, so product can be spaced closer, increasing productivity.

Helps reduce drive power requirements.
OP-41A
ENCLOSED TRACK CHAIN LUBRICATOR

FEATURES/BENEFITS

The OP-41A system lubricates chain pins and wheels while the conveyor is running under normal conditions.

Reduces downtime and manual labor operations in lubricating conveyor chain.

Properly lubricated conveyor can extend the life of conveyor components.

Eliminates surging caused by non-lubricated and worn chain and wheels, so product can be spaced closer, increasing productivity.

Conveyor runs smoother, keeps product from swaying, reducing possibility of injury on the line.

Helps reduce drive power requirements.

Less waste and contamination. A metered amount of lubricant is cleanly and precisely delivered to the chain and wheels.

The right lubrication system results in a clean operation – and saves you substantial amounts of time, work and money.

ACCURATE & RELIABLE

The OP-41A is designed to accurately deliver metered amounts of lubricant directly to the chain pins and wheels of enclosed track conveyors. The heart of the system is a pneumatically operated single-impulse positive displacement pump. Only one shot is delivered to each wear point even if the conveyor stops with the trip valve depressed.
OP-139
GENERAL PURPOSE AIR OPERATED CONVEYOR LUBRICATION SYSTEM

Simple, yet effective clean precision lubrication for all types of conveyor systems.

THE MODEL OP-139 CAN BE SUPPLIED AS A:

1. Kit with the all of the key operating components less mounting brackets for applications where the customer can fabricate mounting brackets in the field.

2. Complete engineered system with all necessary bracketry, mounting hardware and assembly drawings.

STANDARD COMPONENTS

- Positive displacement piston pump(s)
- Integral 5-gallon lubricant reservoir
- Lubricant level sight tube
- Airline preparation equipment
- Heavy duty pneumatically operated trip valve assembly or inductive proximity switch

OPTIONAL EQUIPMENT

- 1000 hour repeat cycle progress display timer with cycle 12 hour manual on/automatic off timer
- Manual on/off air valve (standard on A kits)
- Electric on/off junction box (standard on E kits)
- Electric on/off design for PLC Interface
- ChainMaster® Counter Controller
- Remote-fill valve for automatic filling.
- All-electric remote-fill pumps in 5, 16 and 55 gallon sizes
- 24 VDC version with recycle timer
OP-52 / OP-53
CONVEYOR CATERPILLAR DRIVE
CHAIN LUBRICATORS

**FEATURES/BENEFITS**
- Delivers a precise volume of lubricant per stroke with positive displacement pump
- Controls lubrication cycle frequency and duration accurately with programmable solid state adjustment timer
- Installs easily – pump and controls assembly requires four (4) mounting bolts and one (1) electrical connection
- Constructed of durable molded plastic or fabricated metal for harsher environments
- Delivers most fluid lubricants
- Lubricates drive chains effectively to extend drive and conveyor chain life

**OPTIONAL EQUIPMENT**
*steel reservoir only*
- Remote-fill valve for trouble-free automatic filling
- All-electric remote-fill pumps in 5, 16 and 55 gallon sizes

**Cost-effective orifice lubrication for conveyor drive, short transfer and machine chains**

**DESCRIPTION**

The OPCO® ChainMaster® OP-52 and OP-53 are specifically designed as affordable answers to your conveyor drive, short transfer and machine chain lubrication needs. In standard configurations, the units are available in either durable molded plastic construction with a 1/2 gallon (1.89 liter) translucent reservoir, or a 1.3 gallon (4.93 liter) fabricated steel reservoir for heavy industrial applications. Both come complete with 12 feet of 5/32” O.D. oil delivery tubing, a 40 micron oil filter and an oil delivery nozzle with holder.

The OP-52 pump incorporates a large-diameter piston and delivers a high volume of lubricant per stroke. The OP-53 has a smaller diameter piston, is capable of operating at higher pressures than the OP-52, and can deliver higher viscosity lubricants.
OP-37A
DROP FINGER CONVEYOR CHAIN LUBRICATOR

FEATURES/BENEFITS
Lubricates chain pins during conveyor operation.
Positive displacement metering pump provides precise volume control.
Manual On - Automatic Off, Push Button Reset Timer for Lube Cycle Control is standard. This control facilitates initiation of lube cycles after wash-downs are completed (other control options available).
5-gallon capacity reservoir.
Unique chain trip valve is engaged only during a lubrication cycle.
Compatible with Lubricants ISO Viscosity Grade 22 to 220

WearMaster® Lubricants are available for application on Drop Finger Conveyors; please contact OPCO® Lubrication Systems to discuss your application requirements.
OP-54A
2-PIECE BEVERAGE CAN PIN CHAIN CONVEYOR LUBRICATION SYSTEM

The only system specifically designed for high-speed beverage can pin chain conveyors.

FEATURES/BENEFITS

- Non-contact system lubricates small pitch chains regardless of speed
- Continuous, even lubrication extends chain life
- Positive displacement pump delivers a metered volume of lubricant
- Large integral reservoir reduces labor time spent refilling
- Instantaneous start-up and shutdown protects operating chains
- Lubricant coating on chain side links decreases varnish and other contaminant buildup
- Ultra-precise spray minimizes overspray and lubricant waste
- Advanced design reduces chain stretch due to premature wear
- Floor-level reservoir and controls offer easy programming and refilling
- Adjustable volume prevents over or under lubrication

Designed to eliminate the variables that plague other units, the OPCO® ChainMaster® OP-54’s continuous operation provides consistent, even lubrication. The unit precisely applies a thin film of lubricant directly to the chain and provides a coating to the side links to help minimize varnish buildup and keep the chain clean.

OPTIONAL EQUIPMENT

Remote automatic fill pump capable of supplying all units in a plant (available in 5, 16, and 55-gallon sizes).

STANDARD COMPONENTS

- Programmable timer to control lubricant volume
- Low-level indicator, output contacts and inhibit circuit for pump protection
- Integral 5-gallon reservoir designed for additional of remote automatic fill option
- Properly sized air-preparation system to filter incoming plant air
OP-201
CONVEYOR SEALED POWER TROLLEY WHEEL GREASER

A system designed for more productivity and less downtime. Works while your conveyors are in normal operation.

FEATURES/BENEFITS

The OP-201 system lubricates sealed power trolley wheels while the conveyor is running under normal conditions.

Reduces downtime and manual labor operations in lubricating conveyor sealed power trolley wheels.

Properly lubricated wheels can extend the life of conveyor components.

Eliminates surging caused by non-lubricated and worn wheels, so product can be spaced closer, increasing productivity.

Conveyor runs smoother, keeps product from swaying, reducing possibility of injury on the line.

Helps reduce drive power requirements.

Less waste. A metered amount of lubricant is cleanly and precisely injected into wheels.

The right lubrication system results in a clean operation—and saves you substantial amounts of time, work and money.

Overhead or inverted conveyors.

OP-201 OPERATION

The OP-201 system is an automated, pneumatically operated lubricator designed to inject a metered amount of lubricant (grease or oil) into trolley wheels of an overhead or inverted conveyor.

Lubrication takes place during normal conveyor operation. Duration and frequency of the lube cycle can be manually controlled or electrically controlled by a timer, an electric counter, or other electrical control. Trolley wheels can be unevenly spaced.
OP-314
FREE TROLLEY SEALED LOAD WHEEL GREASER

FEATURES/BENEFITS

The OP-314 system lubricates sealed load wheels while the conveyor is running under normal conditions.

- Reduces downtime and manual labor operations in lubricating free trolley load wheels.
- Wheels that are lubricated properly can extend the life of conveyor components.
- Eliminates surging and drag caused by non-lubricated wheels, so product can be spaced closer, increasing productivity.
- Conveyor runs smoother, keeps product from swaying, reducing possibility of injury on the line.
- Helps to reduce drive power requirements.
- Less waste and contamination. A metered amount of lubricant is cleanly and precisely injected into each wheel.
- The right lubrication system results in a clean operation – and saves you substantial amounts of time, work and money.
- For overhead or inverted conveyors.

A heavy-duty system for Power & Free conveyors. Reduces labor and saves money by cutting downtime and protecting conveyor components.

OP-314 SYSTEM OPERATION

The OP-314 system is designed to lubricate free trolley sealed load wheels. The system injects a metered amount of lubricant into the wheel bearings, without interrupting manufacturing schedules. The system will dispense grease or oil. Lubricant is supplied to the unit by a pump which may be placed at floor level for added convenience.

Lubrication takes place during normal conveyor operation. Duration of the lube cycle can be manually controlled or electrically controlled by a timer, an electronic counter, or other electrical control. Trolleys can be unevenly spaced.
OP-317
GREASER FOR FREE TROLLEY SEALED SIDE GUIDE ROLLER

A heavy-duty system for Power & Free conveyors. The OP-317 greaser reduces labor and saves money by cutting downtime and protecting conveyor components.

FEATURES/BENEFITS

The OP-317 system lubricates sealed side guide rollers while the conveyor is running under normal conditions.

- Reduces downtime and manual labor operations in lubricating conveyor free trolley guide rollers.
- Rollers that are lubricated properly can extend the life of conveyor components.
- Eliminates surging and drag caused by non-lubricated rollers, so product can be spaced closer, increasing productivity.
- Conveyor runs smoother, keeps product from swaying, reducing possibility of injury on the line.
- Helps to reduce drive power requirements.
- Less waste. A metered amount of lubricant is cleanly and precisely injected into rollers.
- The right lubrication system results in a clean operation – and saves you substantial amounts of time, work and money.

OP-317 SYSTEM OPERATION

The OP-317 system is designed to lubricate free trolley sealed side guide rollers. The system injects a metered amount of lubricant into the guide roller bearings, without interrupting manufacturing.

Lubrication takes place during normal conveyor operation. The duration of the lube cycle can be manually controlled or electrically controlled by a timer, an electronic counter, or other electrical control. Trolleys can be unevenly spaced.
OP-311 / OP-331
OUTBOARD / INBOARD WHEEL LUBRICATOR

FEATURES/BENEFITS

The OP-311/OP-331 system lubricates outboard/inboard wheels while the conveyor is running under normal conditions.

Reduces downtime and manual labor operations in lubricating outboard/inboard wheels.

Wheels that are lubricated properly can extend the life of conveyor components.

Eliminates surging and drag caused by non-lubricated and worn wheels.

Conveyor runs more smoothly.

Helps to reduce drive power requirements.

Less waste. A metered amount of lubricant is cleanly and precisely injected into wheels.

The right lubrication system results in a clean operation — and saves you substantial amounts of time, work and money.

A heavy-duty system for roller chain, flat top, gull wing and coil conveyors. Reduces labor and saves money by cutting downtime and protecting conveyor components.

OP-311 / OP-331 SYSTEM OPERATION

The OP-311/OP-331 systems are designed to lubricate the wheels on material handling systems such as roller chains, flat top, gull wing and coil conveyors. The systems inject a metered amount of lubricant (grease or oil) into the wheel bearings, without interrupting manufacturing schedules. Lubricant is supplied to the unit by a pump, which may be placed at floor level for added convenience.

Lubrication takes place during normal conveyor operation. Duration and frequency of the lube cycle can be manually controlled or electrically controlled by a timer, or counter, or other electrical control.

Both Systems can dispense lubricant through a fitting or open hole by means of a coupler assembly that travels with the conveyor.
WearMaster® lubricants are high quality lubricants designed to meet the demanding environments of industrial applications. When properly matched to an application, a WearMaster® lubricant becomes a critical element in managing maintenance costs, reducing downtime, and eliminating build-up on conveyors that can cause costly parts contamination and accelerated wear. Contact OPCO® for lubrication needs beyond the following list.

<table>
<thead>
<tr>
<th>LUBRICANT</th>
<th>TYPE</th>
<th>ISO VISCOSITY GRADE</th>
<th>VISCOSITY CST @ 40° C</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>WearMaster® KF 100 and KF 100 Light</td>
<td>High Temperature, Ashless, Synthetic Lubricant</td>
<td>68 (KF 100)</td>
<td>73.3 (KF 100)</td>
<td>• A unique synthetic lubricant designed to lubricate wear points in industrial applications where air temperatures often exceed 500° F. The ashless fluids do not contain residue forming solids and have been credited with cleaning chains with build-up problems. The low volatility lubricant maintains a liquid lubricating film at elevated temperatures, substantially reducing lubricant consumption and eliminating objectionable odors. Both are available in Violet Tint</td>
</tr>
<tr>
<td>WearMaster® KF 101-220</td>
<td>High Temperature, High Viscosity, Ashless, Synthetic Lubricant</td>
<td>220</td>
<td>224</td>
<td>A unique synthetic lubricant designed to lubricate wear points in industrial applications where air temperatures often exceed 500° F. In addition, a proprietary polymer viscosity enhancer makes it suitable for applications requiring extreme pressure and water washout resistance capabilities. The ashless fluids do not contain residue forming solids and have been credited with cleaning chains with build-up problems. The low volatility lubricant maintains a liquid lubricating film at elevated temperatures, substantially reducing lubricant consumption and eliminating objectionable odors. Available in Violet Tint</td>
</tr>
<tr>
<td>WearMaster® KF 102 Light, KF 102-150, and KF 102-220</td>
<td>Water-Soluble, Ashless, Synthetic Lubricant</td>
<td>10 (KF 102 Light)</td>
<td>9.34 (KF 102 Light)</td>
<td>A high-temperature, synthetic fluid that exhibits total burn off at temperatures above the flashpoint. The water-soluble, polyglycol-based lubricant is ideal in applications requiring compatibility with water dispersed coatings.</td>
</tr>
<tr>
<td>WearMaster® KF 240 Light and KF 240</td>
<td>E.P., Moly Sulfide Lubricant with Superb Anti-Wear Performance</td>
<td>22 (KF 240 Light)</td>
<td>24 (KF 240 Light)</td>
<td>Premium lubricant designed for severe applications where high loads and ambient conditions cause wear and failure. Suspension grade moly sulfide solids are attracted and deposited into pores in the metal, creating a solid film of lubricant to prevent scuffing, scoring, and flaking on load-carrying surfaces.</td>
</tr>
<tr>
<td>LUBRICANT</td>
<td>TYPE</td>
<td>ISO VISCOSITY GRADE</td>
<td>VISCOSITY CST @ 40° C</td>
<td>DESCRIPTION</td>
</tr>
<tr>
<td>-----------------</td>
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</tr>
<tr>
<td>WearMaster® KF 241</td>
<td>High-Viscosity, E.P., Moly Sulfide Lubricant with Superb Anti-Wear Performance</td>
<td>220</td>
<td>219</td>
<td>• Premium lubricant designed for severe applications where high loads and ambient conditions cause wear and failure. The addition of a proprietary polymer viscosity enhancer makes it suitable in applications requiring extreme pressure and water washout resistance capabilities.&lt;br&gt;• Suspension grade moly sulfide solids are attracted and deposited into pores in the metal, creating a solid film of lubricant to prevent scuffing, scoring, and flaking on load-carrying surfaces.</td>
</tr>
<tr>
<td>WearMaster® KF 245</td>
<td>E.P. Lubricant</td>
<td>220</td>
<td>219</td>
<td>• Premium lubricant designed for severe applications where high loads and ambient conditions cause wear and failure.&lt;br&gt;• Does not contain moly sulfide for applications where that additive is undesirable.</td>
</tr>
<tr>
<td>WearMaster® KF 270</td>
<td>Anti-Wear, Food-Grade Lubricant</td>
<td>100</td>
<td>98</td>
<td>• Specially designed to satisfy demanding lubrication requirements in food processing applications&lt;br&gt;• USDA H1 food-grade lubricant that has passed demanding industry standard tests at levels previously only achieved by high performance non-food lubricants.</td>
</tr>
<tr>
<td>WearMaster® KF 310</td>
<td>High Performance Way Lubricant</td>
<td>Consult Factory with application specifics</td>
<td>Consult Factory with application specifics</td>
<td>• High E.P. and anti-wear way lubricant for use in many machine tool applications&lt;br&gt;• Meets P47 and P50 specifications for the Stick Slip Test of the Cincinnati Milacron Company</td>
</tr>
<tr>
<td>WearMaster® KF 330</td>
<td>High Performance Industrial Gear Lubricant</td>
<td>Consult Factory with application specifics</td>
<td>Consult Factory with application specifics</td>
<td>• Excellent protection and extended service for a wide variety of gear applications&lt;br&gt;• Meets P35, P59, P63, P74, P77, and P78 specifications of the Cincinnati Milacron Company</td>
</tr>
<tr>
<td>WearMaster® KF 350</td>
<td>Premium, Non-Zinc, Anti-Wear Hydraulic Fluid</td>
<td>Consult Factory with application specifics</td>
<td>Consult Factory with application specifics</td>
<td>• Utilizes latest development in non-zinc anti-wear technology for applications that are sensitive to zinc or where there are environmental concerns&lt;br&gt;• In addition to anti-foam and oxidation inhibition, the premium additive package increases thermal stability, rust prevention, and anti-wear capability</td>
</tr>
<tr>
<td>WearMaster® KF ATO</td>
<td>High Performance, E.P., Anti-Rust, Anti-Wear Air Line Lubricant</td>
<td>SAE 10 and SAE 30</td>
<td>38.3 (SAE 10) and 110 (SAE 30)</td>
<td>• Severe duty lubricant for air lines, with applications including sliding ways, rock drills, and pull down assemblies on can fillers&lt;br&gt;• Emulsifier additives pick up moisture in the system and exhaust it, while the rust inhibitors and anti-wear additives protect the internal parts and air motors of the lubricated equipment.&lt;br&gt;• Has also been used in applications as diverse as sliding ways and pull down assemblies on can fillers.</td>
</tr>
</tbody>
</table>
WearMaster® greases utilize high quality base soaps and oils and are designed to meet the demanding environments of industrial applications. When properly matched to an application, a WearMaster® grease becomes a critical element in managing maintenance costs, reducing downtime, and avoiding issues associated with poor performing greases.

<table>
<thead>
<tr>
<th>LUBRICANT</th>
<th>TYPE</th>
<th>NLGI GRADE</th>
<th>DROPPING POINT °F (°C)</th>
<th>DESCRIPTION</th>
</tr>
</thead>
</table>
| WearMaster® KG450 | High Temperature, Extended Performance Polymer Grease | 2          | 500 (260)             | • High dropping point, mechanical stability, and high temperature oxidation resistance make it an excellent multipurpose grease  
• High temperature resistance eliminates problems of running or accumulation of hard, carbonized residue |
| WearMaster® KG451-0 | Super Water Resistant Grease | 0 (KG 451-0) | 350 (177) KG 451-0  | • Water resistance, tough wear protection, shock load resistance, and a widely compatible lithium base make it an excellent multi-purpose grease |
| WearMaster® KG451-2 |                     | 1 ½ (KG 450-2) | 360 (182) KG 451-2 |                                                                                                       |
| WearMaster® KG453 | Corrosion Control Grease                 | 1 ½        | 500 (260)             | • Excellent corrosion control in applications with high salt or chemical contamination. Very effective in corrosive environments as grease for bearings or anti-corrosion coating on metals  
• High drop point and good E.P. make it a high performance multi-purpose grease |
| WearMaster® KG455 | High Temperature Polyurea Grease         | 2          | 540 (282)             | • High water resistance, low-temperature performance, and elastomeric compatibility expand the grease’s uses beyond typical lithium-complex greases  
• Environmentally Friendly - no corrosive additives to achieve E.P. characteristics, no heavy metals, and no chlorinated compounds  
• USDA H2 Food Grade designation |
| WearMaster® KG460 | High Temperature Synthetic Grease        | 2          | 590 (310)             | • An advanced ester-based oil and thickener creates a highly thermally stable grease with excellent E.P. properties and oxidation stability  
• Applications include kilns, soot blowers, steel mills, barrier coatings, and other high temperature applications |
| WearMaster® KG470-0 | High Performance Food Grade Grease       | 0 (KG 470-0) | 580 (309) KG 470-0  | • High water resistance, oxidation stability, and anti-wear protection opens applications generally considered unacceptable for standard food grade greases  
• Proprietary base soap withstands oil and soap separation rarely found in any grease, and water and corrosion resistance meets or exceeds non-food grade greases that are considered industry standards |
| WearMaster® KG470-2 |                     | 2 (KG-470-2) | 590 (310)             |                                                                                                       |
| WearMaster® KG475 | Synthetic Open Gear Grease               | 2          | 500 (260)             | • Ultimate severe duty performance from inorganic synthetics with temperature ranges for the toughest environments  
• Environmentally friendly mineral solvents replace chlorinated solvents  
• Most water resistant open gear grease on the market; excellent film adhesion creates tenacious film that won’t sling and can only be removed with solvents; E.P. and Anti-Wear additives are state of the art, and with proper application, lubricant life will increase 5 to 20 times. |
OP-8
POWERED CONVEYOR CHAIN & TROLLEY WHEEL CLEANER

**FEATURES/BENEFITS**
- Automatically cleans while conveyor is in operation
- Eliminates expensive, time-consuming manual cleaning
- Removes dirt, rust, scale, paint, and/or chemical residue
- Brushes shaped for your conveyor, for efficient operation
- Brush tension can be adjusted while conveyor is running
- Reduces drag on drive motors, extending life
- Proper grounding for electrostatic finishing
- Plated hardware provides longer component life
- Compact, rugged cleaner is easy to install and service
- Overhead, inverted and floor conveyors

**OPTIONAL EQUIPMENT**
- 575V, 50/60Hz motors available
- Electric timer for automatically starting and stopping cleaner action at any desired intervals
- Air valve to blow off particles lying on chain parts
- Explosion-proof motor and fiber brushes for hazardous areas
- Metal shroud enclosure available with or without vacuums
- Other brush materials available
- Longer brush shafts for cleaning conveyor attachments
- Motor starter
- Other voltages available
- Reversing Motor starter with time delay

**OP-8 SPECIFICATIONS**

<table>
<thead>
<tr>
<th><strong>Motor</strong></th>
<th>2 hp, 208-220/440-480 V, 60 cycle, 3 phase</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bearings</strong></td>
<td>Heavy duty, shielded and sealed, self-aligning</td>
</tr>
<tr>
<td><strong>Housing</strong></td>
<td>Thick-walled cast aluminum for greater strength</td>
</tr>
<tr>
<td><strong>Shafting</strong></td>
<td>1 in diameter steel handles max loads</td>
</tr>
<tr>
<td><strong>Standard Brushes</strong></td>
<td>Crimped steel</td>
</tr>
<tr>
<td><strong>Guards</strong></td>
<td>Neoprene rubber curtains surround brushes</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>24 in W x 24 in D x 32.5 in H</td>
</tr>
</tbody>
</table>

**TECHNICAL ASSISTANCE**
Customized Technical Assistance Programs are available.

**WARRANTY**
A limited warranty is provided with each OP-317 system.
OP-8NP
NON-POWERED CONVEYOR CHAIN & TROLLEY WHEEL CLEANER

FEATURES/BENEFITS
Cleans while conveyor is operating
Eliminates time-consuming, expensive cleaning
Removes dirt, rust, scale, and process residue
Adjustable brush tension device
Automatic brush engagement
Plated hardware
Compact size
Simple to install and service
Brush sets available for many types of conveyors

OPTIONAL EQUIPMENT FOR BOTH OP-8 AND OP-8 NP
Other brush fill materials for specific application requirements
Longer brush shafts for custom cleaning applications
Split brush shafts for one-bolt removal of the brush stack and lower shaft assembly
Custom-engineered brush sets
Air Blow-Off
Totally enclosed metal shroud, fabricated enclosure of sheet steel with a powder coat finish, fitted with strip brush track seals at the ends and bottom of the shroud.

OP-8NP SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bearings</td>
<td>Heavy-duty, self-aligning, shielded &amp; sealed</td>
</tr>
<tr>
<td>Housing</td>
<td>Heavy-duty fabricated steel with powder coat finish</td>
</tr>
<tr>
<td>Brush Shafts</td>
<td>1 in diameter</td>
</tr>
<tr>
<td>Standard Brushes</td>
<td>Crimped steel</td>
</tr>
<tr>
<td>Guards</td>
<td>Neoprene brush curtain</td>
</tr>
<tr>
<td>Dimensions</td>
<td>25 in W x 35.4 in D x 31.8 in H</td>
</tr>
</tbody>
</table>

Air Blow-Off
Metal Shroud
UN-91 / RW-91
ENCLOSED TRACK CONVEYOR
CHANNEL SWEEPS

PROVIDES
Continuous Cleaning of all Internal Surfaces
Ease of Installation
Non-sparking Brushes

REDUCES
Particulate Buildup
Fall Out
Rework of Painted Parts
Wheel and Chain Wear
Costly Downtime

For Best Results, Install Channel Sweep Every 75 ft – 100 ft Of Chain.

CAUTION:
Always check for potential interference of Channel Sweep with other equipment installed on Conveyor. These include automatic lubrications and cleaning equipment. Failure to remove Beam of Channel Sweeps prior to operation of this equipment could result in damage to equipment and/or Conveyor components.

Removes dirt and debris from the internal conveyor track surfaces to improve grounding and reduce rejects

Easily installed by replacing a single chain link. Replaceable brushes.

Model UN-91 for Unibilt/Rapid Conveyors
2.5 in W x 2.375 in H
REPLACEMENT BRUSHES
#91302RB (4) for UN91

Model RW-91 for Richards-Wilcox Conveyors
1.75 in W x 2.3125 in H
REPLACEMENT BRUSHES
#91312RB (4) for RW91

* Brass brushes are standard for assemblies and replacement brushes. Stainless Steel brush assemblies and replacement brushes are also available.
3-91BC/4-91BC/6-91BC
I-BEAM CONVEYOR BEAM SWEEPS

Cleans the web surfaces of the rail.

Reduces debris fall out and improves grounding contact.

MODEL #3-91BC
For 3 in I-Beam

REPLACEMENT BRUSHES
#B913BRTB Top/Bottom (4)
#B913BRS Sides (2)

MODEL #4-91BC
For 3 in I-Beam

REPLACEMENT BRUSHES
#B914BRTB Top/Bottom (4)
#B914BRS Sides (2)

MODEL #6-91BC
For 6 in I-Beam

REPLACEMENT BRUSHES
#916BRTB Top/Bottom (4)
#916BRS Sides (2)

PROVIDES
Continuous cleaning of all internal surfaces
Ease of installation
Non-sparking brushes

REDUCES
Particulate buildup
Fall out
Rework of painted parts
Wheel and chain wear
Costly downtime

For best results, install one beam sweep assembly every 200 feet

Available for 3”, 4” and 6” I-Beam conveyors

Replacement brushes available for all units
OP-55
PNEUMATIC CHAIN PIN CLEANER

DESCRIPTION
The OP-55 Pneumatic Chain Pin Cleaner is equipped with an electrical junction enclosure with a three (3) position control switch, air control solenoid valve, air pressure control regulator, and an adjustable precision arm.

FEATURES
Available for operation on standard 115 VAC or 230 VAC, 50 Hz or 60 Hz

The simple and reliable Precision Arm positions the cleaning nozzles in the critical and hard-to-reach chain wear areas where dirt build-up can occur

Non-contact positive switching sensor

Clamp-on mounting feature for overhead system installation; no welding required

Can be interfaced with existing or anticipated conveyor maintenance equipment

Three (3) position selector switch with manual override

36 in long Neoprene rubber curtain for improved safety and easier housekeeping (easily cut to fit specific needs)

OPTIONS
Totally Enclosed Assembly Metal Shroud

Effective and low-cost cleaning system for Overhead and Inverted Rivetless Chain applications.

OP-55 SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature</td>
<td>40°F to 125°F (4°C to 52°C)</td>
</tr>
<tr>
<td>Pressure Range</td>
<td>0-150 psi (1034 kPa)</td>
</tr>
<tr>
<td>Electrical</td>
<td>115 VAC, 50/60Hz</td>
</tr>
<tr>
<td>In-rush</td>
<td>14.7 volt-amps (0.12 amp)</td>
</tr>
<tr>
<td>Seal</td>
<td>10.4 volt-amps (0.09 amp)</td>
</tr>
<tr>
<td>Net Weight</td>
<td>35 lbs (15.9 kg)</td>
</tr>
</tbody>
</table>

OP-55 Shown with Optional Totally Enclosed Shroud Assembly
Mighty Lube®
NEXT GENERATION
CONVEYOR MONITORING SYSTEM

When considering the Conveyor Monitoring System, think about the following questions:

1. How much does a minute of **downtime** cost?
2. If your conveyor chain needs to be **replaced**, what would the total cost be?
3. What are the costs involved in **diagnosing and repairing** the problem with a line?
Mighty Lube®
NEXT GENERATION CONVEYOR MONITORING SYSTEM

Monitors conveyor chain wear - link by link and 10ft data

FEATURES/BENEFITS

- Provides chain wear average and chain life projection
- Monitors drive amps, air take-up and counterweight take-up distance
- Monitors chain speed & drive hours
- Detailed lubrication reports and settings changes*
- New and improved analytical data
- Dog pitch spacing monitoring
- Several new color conditions
- Supports up to Windows 10 PC

*Lubrication reports and settings only available in Permanent Monitor PLUS Lubrication models.
Mighty Lube®
MULTI LINE CONVEYOR MONITORING SYSTEMS

Permanent

MONITOR FEATURES/BENEFITS
- Monitors Chain Wear - Link by Link
- Analytical data screens, such as long term chain wear average
- Monitor up to 100 conveyors with one expandable system
- Utilizes the latest patented technology
- View data from any PC connected to your network
- Full-Color, Printable Charts and Graphs

Portable

PORTABLE SYSTEM FEATURES/BENEFITS
- Monitors Chain Wear - Link by Link
- Portable so it can be used on multiple conveyors in a facility
- Battery powered for ease of use
- Direction of travel detection
- Easy installation and setup
- Includes Windows based tablet with USB connection
- Utilizes the latest patented technology
Mighty Lube®
SINGLE LINE (STATIONARY) CONVEYOR MONITORING SYSTEM

Monitors Conveyor Chain Wear - Link by Link

FEATURES/BENEFITS
- Monitor the critical lines individually
- Utilizes the latest patented technology
- Includes Windows based tablet with USB connection
- Single use license and Mighty Lube® program included
- Option of metric or standard measurements provided

MODELS
Enclosed Track
MODEL #5701M for Unibilt/Rapid Enclosed Conveyors

I-Beam
MODEL #5703-3M for 3” with x348 Pitch Conveyors
MODEL #5703-4M for 3” with x458 Pitch
MODEL #5704-4M for 4” with x458 Pitch
MODEL #5704-6M for 4” with x678 Pitch
MODEL #5706-6M for 6” with x678 Pitch

Additional models available for Inverted and Specialty Conveyors.
Mighty Lube®
PAINT MARKER (OPTIONAL)
FOR MONITORING SYSTEM

Allows for automatic marking of worn links or areas that exceed company set parameters

FEATURES/BENEFITS

Compatible with all Mighty Lube Conveyor Monitoring Systems

Portable – can be moved from one conveyor to another

Power and control provided from monitoring head unit

Utilizes standard aerosol paint can (not included)

Includes 8-ft. control cable

Available for inverted and overhead conveyors
CONTACT OPCO® TODAY FOR CUSTOM QUOTE ON EQUIPMENT

PHONE:
231-924-6160

EMAIL:
info@opcolube.com

WEBSITE:
opcolube.com

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