



About ITW

ITW (NYSE:ITW) is a Fortune 200 global multi-industrial manufacturing leader. The company's seven industry-leading segments leverage the unique ITW Business Model to drive solid growth with best-in-class margins and returns in markets where highly innovative, customer-focused solutions are required. ITW has nearly 50,000 dedicated colleagues in operations around the world who thrive in the company's unique decentralized and entrepreneurial culture. To learn more about the company and the ITW Business Model, visit www.itw.com.

To offer the best service to each market segment, ITW PP & F Korea Limited operates the following divisions that are branded uniquely for the most prominent recognition by users and customers:



OMEGA Ultimate Lubricants

Specializing in lubrication solutions - greases, oils and additives



MAGNA Welding Alloys

Specializing in gas and arc welding consumables for maintenance



CORIUM Industrial Chemicals

Specializing in industrial & commercial chemicals and adhesives



ZETALUBE Lubricants

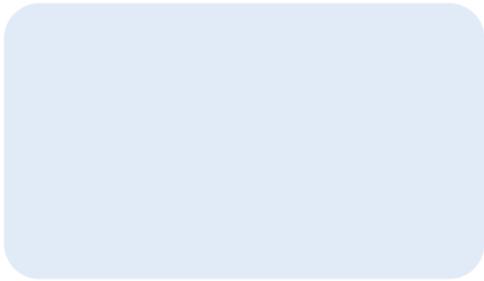
A new lubricity dimension evolved from experience

We supply superior products that make maintenance:

- Faster
- Safer
- More reliable

Our products are engineered to:

- Lower costs
- Reduce downtime
- Cut wastage



We reserve the right to modify or change products for purposes of improving performance characteristics. © 2016 ITW PP & F Korea Limited

The OMEGA, MAGNA, CORIUM & ZETALUBE Trade Marks are the properties of ITW Inc., and are used under licence by ITW PP & F Korea Limited

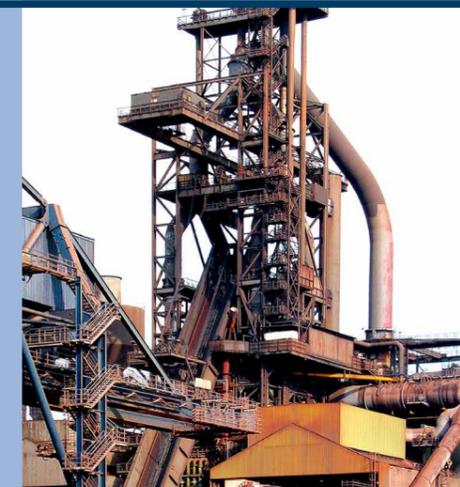
The information contained in this publication supersedes all relevant information previously released and is to the best of our knowledge and accurate at the time of issue on June, 2016.

ITW PP & F Korea Limited is a business unit of Illinois Tool Works Inc. (ITW), U.S.A.

Omega Ultimate Lubricants Strengthening the Steel Industry



www.magnagroup.com



OPL 042 English Version

At ITW PP & F Korea Limited we are fully committed to a proactive approach to safety, health, environment and product improvement. Our commitment is well reflected in:

- Our continuous Research and Developments
- Our on-going in-house Training and our in-house Training Facilities
- Our comprehensive range of Quality Products
- Our many long-term Repeat Customers



13th floor, Unit B,
PAX Tower, 609 Eonju-ro,
Gangnam-gu, Seoul,
Korea 06108
email: enquirygroup@magnagroup.com

OMEGA ULTIMATE LUBRICANTS- STRENGTHENING THE STEEL INDUSTRY

For more than two centuries, the steel industry has been providing various steel products to improve our standard of living. From computer casings, dining accessories, construction steels, to auto-parts, steel plays an important role in sustaining modernization of the global village. Since the continuous production processes of various types of finished steels are so complexly linked, every single procedure of production must be carefully monitored to minimize downtime. Capital investment in steel industry is so huge that, sometimes, instead of routine maintenance, engineers and maintenance professionals practice predictive and preventive maintenance to progressively reduce costs of downtime. Adequate and correct lubrication of machinery and equipment are certainly important parts of any efficient and effective maintenance plan in any steel plant.

OMEGA, a preferred name in lubrication since 1965, offers complete and specialized lubrication solutions to the steel industry. As one of the winning divisions of ITW PP & F Korea Limited, a business unit of ITW, Inc., USA – the world's leading industrial services innovator, OMEGA has been working with thousands of maintenance professionals and engineers, handling daily maintenance jobs worldwide in many heavy industries. Through our experience, technical knowledge, and global service and sales network, we have been continuously developing specially designed greases and oils which meet and exceed the stringent requirements of your industry.

We understand your problems and needs in implementing and monitoring successful maintenance programs. Starting from melt shops to rolling mills, maintenance professionals and engineers face the challenges of continuous heavy loads, high temperatures, intense water contamination, and exposure to chemicals in lubrication. Selection of the appropriate lubricants is, of course, one of the important parts of effective and efficient maintenance programs. We offer quality greases and lubricating oils tailor-made for the steel industry. Our experienced marketing consultants and global network of distributors and their professionally trained agents are available, probably everywhere in the world, to serve you and assist you in identifying the trouble spots in your lubrication systems, to jointly solve any MRO problems, and ultimately help you reduce costs and extend service life of your machineries and equipment operating under such hostile conditions.

In addition to planned, preventive and predictive maintenance systems, teaming up with OMEGA Ultimate Lubricants is perhaps a smart move to MRO solutions.

In lubrication, we understand your requirements better than any one else because we LISTEN. Talk to your OMEGA expert today!

OMEGA – Your Partner for MRO Solutions



STEEL MILL MAINTENANCE

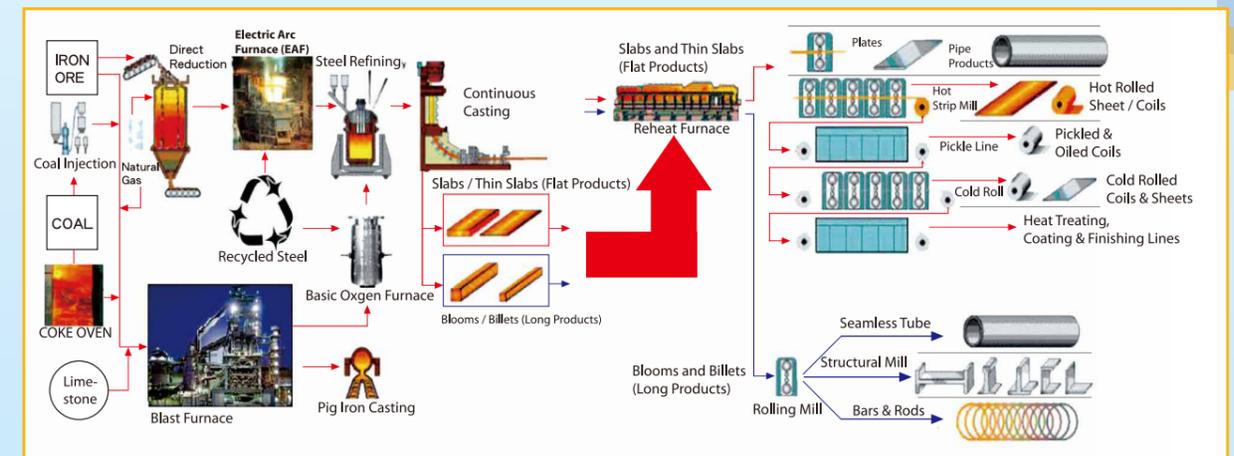
Steel Plant maintenance can be divided into three categories: Routine maintenance, Preventive maintenance and Predictive maintenance.

Routine Maintenance includes the hourly, daily, and weekly maintenance requirements recommended in the manufacturer's literature. Some routine maintenance and checks include the following:

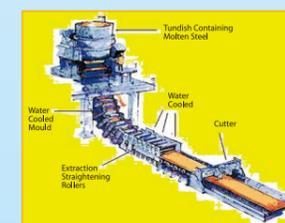
1. Top up lubricating oil levels to the maximum levels
2. Re-grease and identify any contingency needs
3. Drain water and sediment from strainers and filters
4. Maintain level of coolant
5. Check radiator and coolant hoses for leaks
6. Check battery electrolyte level
7. Check all switches for proper operation
8. Fill fuel tank as required with appropriate diesel fuel
9. Check fuel tank for leaks
10. Log all operator maintenance in the operations logbook when it is completed

Preventive Maintenance requires the monthly, quarterly, semiannual, and annual maintenance checks recommended in the manufacturer's literature. The maintenance supervisor is responsible for establishing a maintenance schedule to ensure the preventive maintenance is performed. A maintenance logbook should be established for all maintenance checks recorded. The operation log book should be reviewed regularly to ensure that all preventive maintenance recommended by engine operating hours is scheduled; for example, the schedules of engine lube oil and filter replacement are normally based on hours of operation.

Predictive Maintenance requires maintenance professionals to take various tests or analysis on in-service machinery/equipment and lubricants regularly and hence helps to monitor the conditions of those machineries/equipment and lubricants in order to predict when maintenance should be performed. Usually, predictive maintenance is a more accurate and cost-effective maintenance technique than preventive maintenance that is time-based. The maintenance supervisor or manager is responsible for establishing a few diagnostic tools using advanced electronic instruments in an effective predictive maintenance program. Such tools include "vibration analysis" for machinery/equipment, "oil analysis" for monitoring service conditions of lubricants, "electrical monitoring" for checking performance of all electrical equipment using electronic and IR instruments, and "visual inspection" which requires designated inspectors to check regularly certain machineries/equipment. Since those tests/analysis are performed while equipment is in service, disruption of normal operations is minimized. Ideally, predictive maintenance offers "Just-In-Time" services before equipment fails in operation.



Production process of an Integrated Steel Mill (from Melt Shop to Rolling Mill)



A Typical Schematic Diagram of Continuous Casting

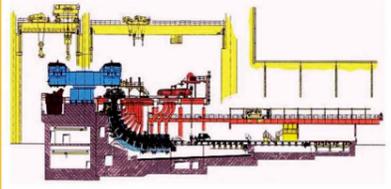


Pictures of Cold Rolling Mill

Benefits of Implementing an Effective Maintenance Program and Using OMEGA Lubricants for Your Plant

- Minimized downtime
- Extended service life of machinery/equipment
- Improved machinery/equipment performance
- Reduced cost and increased productivity
- Increased profits

Machinery / Equipment	Lubrication Challenges	Suggested OMEGA Solutions	Benefits of OMEGA Lubricants
Melt Shop (Blast Furnace Plant) Conveyor Bridge – Conveyor / Transfer Belt 	<ul style="list-style-type: none"> • Heavy load • Moisture • Chemical contamination 	OMEGA 64 Pin, Bushing & Track Roller Grease	<ul style="list-style-type: none"> • Superior ultra-tacky heavy-duty lubricant for open gears over a wide range of environmental conditions and machine requirements • Effectively penetrates and replenishes the core lubricant in chains, cables and wire rope • Prevents "fling off" with remarkable tenacity • Protects against saltwater corrosion, mud, water, dust and dirt and is easy to apply
		OMEGA 65 Long-Life Chain & Cable Grease	<ul style="list-style-type: none"> • Formulated with a precise percentage of high-contrast fluorinated polymers • Designed for ultra long-term service life • High-purity lubricant that offers extraordinary tenacity and excellent protection to chains, cables and wire ropes.
Melt Shop (Blast Furnace Plant) Conveyor Bridge - Winch & Cable in Hoist House 	<ul style="list-style-type: none"> • Heavy load • Moisture • Contamination 	OMEGA 646 Superior Chain Lubricant	<ul style="list-style-type: none"> • Formulated with specialized Moly • May be applied for lubricating chains at temperatures up to 400°C • Superior "Megalite" additive - prevents metal welding and shearing • High stability provides lubrication for chains where other ordinary oils fling off, drip off or melt off
		OMEGA 65 Long-Life Chain & Cable Grease	<ul style="list-style-type: none"> • Formulated with a precise percentage of high-contrast fluorinated polymers • Designed for ultra long-term service life • High-purity lubricant that offers extraordinary tenacity and excellent protection to chains, cables and wire ropes
Melt Shop (Blast Furnace Plant) Blower – Compressor & Turbine 	<ul style="list-style-type: none"> • Oil thickening / foaming due to oxidation • Carbon and varnish deposits on the discharge valves 	OMEGA 613 Superior Air Compressor Oil	<ul style="list-style-type: none"> • Designed for applications on all types of compressors and vacuum pumps • Extremely versatile • Offers excellent thermal and chemical stability, high fluidity even at low temperatures • Excellent protection against oxidation
		OMEGA 615 Synthetic Air & Refrigeration Compressor Oil	<ul style="list-style-type: none"> • Provides up to ten times operating life of ordinary compressor oils used in rotary vane and rotary screw compressors • Suitable for lubrication down to -40°C • Eliminates oil foaming and varnish formation
		OMEGA 670 Straight Mineral Gear Oil	<ul style="list-style-type: none"> • Highly resistant to foaming and completely resistant to water and moisture • Withstands sustained gear action without aerating
		OMEGA 690 Super EP Gear Oil	<ul style="list-style-type: none"> • Efficient long-term lubrication of transmissions, differentials and gearboxes • Excellent resistance to water, acid and frictional wear • Multi-purpose - hypoid and extreme pressure applications as well as worm gear (steel type) applications
Melt Shop (Blast Furnace Plant) Centrifugal / Rotary Screw Compressor	<ul style="list-style-type: none"> • Oil foaming • Oil thickening due to oxidation 	OMEGA 613 Superior Air Compressor Oil	<ul style="list-style-type: none"> • Designed for applications on all types of compressors and vacuum pumps • Extremely versatile • Offers excellent thermal and chemical stability, high fluidity even at low temperatures • Excellent protection against oxidation

Machinery / Equipment	Lubrication Challenges	Suggested OMEGA Solutions	Benefits of OMEGA Lubricants
Melt Shop (Blast Furnace Plant) Centrifugal / Rotary Screw Compressor 	<ul style="list-style-type: none"> • Oil foaming • Oil thickening due to oxidation 	OMEGA 615 Synthetic Air & Refrigeration Compressor Oil	<ul style="list-style-type: none"> • Specially designed for lubricating severe duty rotary screw compressors (vane-type and screw-type) and reciprocating-type compressors • Eliminates oil foaming and varnish formation
		OMEGA 690 Super EP Gear Oil	<ul style="list-style-type: none"> • Efficient long-term lubrication of transmissions, differentials and gearboxes • Excellent resistance to water, acid and frictional wear • Supreme tenacity – reduces risk of oxidation
Melt Shop Bearing parts for equipment operating up to 280°C (536°F) 	<ul style="list-style-type: none"> • High loading • High Temperature • Moisture & chemical contamination 	OMEGA 22 "Glide Sensation" All Purpose Grease	<ul style="list-style-type: none"> • Superior PTFE synthetic grease engineered for a wide variety of applications at extremes of temperature up to 210°C • Quality formulated with a synthetic base fluid and a special grade polytetrafluoroethylene (PTFE) constituent to ensure enhanced lubricity in punishing conditions
		OMEGA 33 Extreme Heat Resistant Grease	<ul style="list-style-type: none"> • Special diester synthetic compound with an exceptionally high flashpoint • Additives include the unique "Megalite" family of supplements, ensuring extreme temperature resistance up to 315°C (600°F)
		OMEGA 35 Hi-Temp MSL Grease	<ul style="list-style-type: none"> • Highly-specialized High Temperature Stable grease to continue lubricating applied parts at temperatures where ordinary greases "carbonize" and form abrasives that damage equipment • Consists of Megalite Solid Lubricant (MSL) that offers good penetration power, good "spreadability" and enhanced lubricity
		OMEGA 77 EP Bearing & Chassis Grease	<ul style="list-style-type: none"> • For heavy-duty chassis points in both friction and anti-friction bearings • Withstands extreme shock loadings • Forms its own seal against water, fluctuation in temperatures, and contaminants • High resistance to pounding out • Excellent cohesive and EP properties
		OMEGA 85 "Shear Sensation Plus" All-Purpose Grease	<ul style="list-style-type: none"> • Polyurea grease specially formulated for electric motor bearings • Unmatched shear strength and in-built temperature stability • Stays strongly without squeeze out, thinning or deforming • Matches every seal type
		OMEGA 612 Universal Lubrication & Hydraulic Oil	<ul style="list-style-type: none"> • Super multipurpose lubrication oil designed for almost all forms of machinery lubrication and equipment where EP oils are not recommended • Excellent anti-wear, foam-inhibited & anti-magnetic properties
Melt Shop Power Source for various facilities such as Electric Arc Furnace, Overhead Crane Electric Motor 	<ul style="list-style-type: none"> • Heavy-duty • Long relubrication intervals 	OMEGA 22 "Glide Sensation" All Purpose Grease	<ul style="list-style-type: none"> • Superior PTFE synthetic grease engineered for a wide variety of applications at extremes of temperature • Quality formulated with a synthetic base fluid and a special grade polytetrafluoroethylene (PTFE) constituent to ensure enhanced lubricity in punishing conditions

Machinery / Equipment	Lubrication Challenges	Suggested OMEGA Solutions	Benefits of OMEGA Lubricants
Melt Shop Power Source for various facilities such as Electric Arc Furnace, Overhead Crane, Electric Motor 	<ul style="list-style-type: none"> • Heavy-duty • Long re-lubrication intervals 	OMEGA 77 EP Bearing & Chassis Grease	<ul style="list-style-type: none"> • For heavy-duty chassis points in both friction and anti-friction bearings • Withstands extreme shock loadings • Forms its own seal against water, fluctuation in temperatures, and contaminants • High resistance to pounding out • Excellent cohesive and EP properties
		OMEGA 85 "Shear Sensation Plus" All-Purpose Grease	<ul style="list-style-type: none"> • Polyurea grease specially formulated for electric motor bearings • Unmatched shear strength and in-built temperature stability • Stays strongly without squeeze out, thinning or deforming • Matches every seal type
		OMEGA 95 Super Corrosion-Control Grease	<ul style="list-style-type: none"> • The most advanced lubrication solution to adverse operating conditions in steel plants • Outperforms other premium greases such as lithium complex, aluminum complex and polyurea • Excellent mechanical stability, outstanding resistance to oxidation, corrosion, and water (washout) • Performs equally well at low & high speed • Gives maximum lubricant life for promising cost-efficiencies
Melt Shop Power Source for various facilities such as Electric Arc Furnace, Overhead Crane, Diesel Engine 	<ul style="list-style-type: none"> • Extreme operating conditions • Long re-lubrication intervals 	OMEGA 643 Premium Diesel Engine Oil	<ul style="list-style-type: none"> • Superior performance diesel engine oil that extends engine life in the most severe industrial applications • For severe and turbocharged operating conditions in gasoline and diesel engines. The fine paraffinic base fluid provides greater cohesion, adhesion with high heat and oxidation resistance
		OMEGA 757 Long-Drain All-Fleet Engine Oil	<ul style="list-style-type: none"> • Specialty diesel engine oils formulated from advanced technology base oils and a balanced additive system • Controls wear effectively and provides ultra long service life • Meets and exceeds most vehicle engine manufacturers' specification such as Mack EO-M plus, Caterpillar TO-2 & Allison C-4
Melt Shop Hydraulic Applications 	<ul style="list-style-type: none"> • High load • High temperature • Water contamination 	OMEGA 612 Universal Lubrication & Hydraulic Oil	<ul style="list-style-type: none"> • Lubricants / hydraulic oils with highly stable viscosity standard, excellent anti-wear properties and built-in anti-emulsifiers • For use in hydraulic application for tilting systems
Rolling Mill Overhead Crane System, Trolley & wheel 	<ul style="list-style-type: none"> • High load • High temperature • Moisture 	OMEGA 64 Pin, Bushing & Track Roller Grease	<ul style="list-style-type: none"> • Superior ultra-tacky heavy-duty formulation for the lubrication of open gears over a wide range of environmental conditions and machine requirements • Effectively penetrates and replenishes the core lubricant in chains, cables and wire rope • Remarkable tenacity that prevents "fling off" • Protects against saltwater corrosion, mud, water, dust and dirt • Easy to apply, no heating required
		OMEGA 77 EP Bearing & Chassis Grease	<ul style="list-style-type: none"> • For heavy-duty chassis points in both friction and anti-friction bearings • Withstands extreme shock loadings • Forms its own seal against water, fluctuation in temperatures, and contaminants • High resistance to pounding out • Excellent cohesive and EP properties

Machinery / Equipment	Lubrication Challenges	Suggested OMEGA Solutions	Benefits of OMEGA Lubricants
Rolling Mill Overhead Crane System, Trolley & wheel 	<ul style="list-style-type: none"> • High load • High temperature • Moisture 	OMEGA 612 Universal Lubrication & Hydraulic Oil	<ul style="list-style-type: none"> • Lubricants / hydraulic oils with highly stable viscosity standard, excellent anti-wear properties and built-in anti-emulsifiers • For use in hydraulic drive system
Rolling Mill Motors for facilities in the Rolling Mills 	<ul style="list-style-type: none"> • Heavy duty • Long re-lubrication intervals 	OMEGA 22 "Glide Sensation" All Purpose Grease	<ul style="list-style-type: none"> • Supreme grease designed for a wide variety of applications at extremes of temperature • Quality formulated with a synthetic base fluid and a special grade polytetrafluoroethylene (PTFE) constituent to ensure enhanced lubricity in punishing conditions
		OMEGA 690 Super EP Gear Oil	<ul style="list-style-type: none"> • High quality commercial gear lubricants formulated with selected base oils and an advanced additive package • Engineered to meet the most demanding extended drain and OEM requirement • Outstanding extreme pressure characteristics and loading carrying properties
Rolling Mill Bearings for Rolls, Tables, stands, Crop Shear, etc. 	<ul style="list-style-type: none"> • Heavy load • Moisture • Contamination 	OMEGA 22 "Glide Sensation" All Purpose Grease	<ul style="list-style-type: none"> • Supreme grease designed for a wide variety of applications at extremes of temperature for all types of ball, roller, and plain bearings • Quality formulated with a synthetic base fluid and a special grade polytetrafluoroethylene (PTFE) constituent to ensure enhanced lubricity in punishing conditions
		OMEGA 57 Super Bearing Grease	<ul style="list-style-type: none"> • Exceptional resistance to water contamination conditions typical of Rolling Mills • Excellent resistance to severe and continuous impact and wears • Outstanding shear stability and cohesiveness
Rolling Mill Hydraulic Applications 	<ul style="list-style-type: none"> • High pressure • Foam formation • Oil migration & fling-off 	OMEGA 77 EP Bearing & Chassis Grease	<ul style="list-style-type: none"> • For heavy-duty chassis points in both friction and anti-friction bearings • Withstands extreme shock loadings • Forms its own seal against water, fluctuation in temperatures, and contaminants • High resistance to pounding out • Excellent cohesive and EP properties
		OMEGA 85 "Shear Sensation Plus" All-Purpose Grease	<ul style="list-style-type: none"> • Polyurea grease specially formulated for electric motor bearings • Unmatched shear strength and in-built temperature stability • Stays strongly without squeeze out, thinning or deforming • Matches every seal type
		OMEGA 612 Universal Lubrication & Hydraulic Oil	<ul style="list-style-type: none"> • Lubricants/hydraulic oils with highly stable viscosity standard • Excellent anti-wear properties and built-in anti-emulsifiers
		OMEGA 615 Synthetic Air & Refrigeration Compressor Oil	<ul style="list-style-type: none"> • Designed as high performance compressor oil, OMEGA 615 may also be applied in hydraulic systems due to its excellent resistance to oxidation, anti-foam formulation and outstanding wear protection at high temperatures

Machinery / Equipment	Lubrication Challenges	Suggested OMEGA Solutions	Benefits of OMEGA Lubricants
Rolling Mill Hydraulic Applications	<ul style="list-style-type: none"> High pressure Foam formation Oil migration & fling-off 	OMEGA 696 "Dura-Power" Drive Train & Hydraulic Fluid	<ul style="list-style-type: none"> Formulated from advanced base oils and a balanced additive package to satisfy a wide range of heavy-duty hydraulic equipment requirements Drive-train lubricant engineered to meet rigorous specifications required by the Caterpillar TO-4 & Allison C-4 specifications
General Lubrication General Purpose Greases for Mobile Equipment Chassis and Bearing	<ul style="list-style-type: none"> Versatile applications Water contamination High temperature Heavy loads 	OMEGA 22 "Glide Sensation" All Purpose Grease OMEGA 35 Hi-Temp MSL Grease OMEGA 57 Super Bearing Grease OMEGA 77 EP Bearing & Chassis Grease OMEGA 85 "Shear Sensation Plus" All-Purpose Grease	<ul style="list-style-type: none"> Superior multi-purpose EP greases, with good oxidation stability, and exceptional resistance to the water contamination conditions typical of rolling mills Apply the appropriate grease depending on the actual operating conditions such as temperature, load, and speed of equipment
General Lubrication Pumps	<ul style="list-style-type: none"> Extreme temperatures Formation of foam & varnish that reduce pump efficiency 	OMEGA 612 Universal Lubrication & Hydraulic Oil	<ul style="list-style-type: none"> Anti-wear hydraulic oils specially formulated to withstand wide temperature range applications
		OMEGA 606 Multi-Grade Hydraulic Oil	<ul style="list-style-type: none"> High shear stable and high viscosity index ensures all-temperature performance Built-in air and water-release agents to eliminate foaming and water emulsions Excellent resistance to oxidation Superior protection against sludge, varnish and gum build-up
		OMEGA 615 Synthetic Air & Refrigeration Compressor Oil	<ul style="list-style-type: none"> Provides up to ten times operating life of ordinary compressor oils used in rotary vane and rotary screw compressors. Suitable for use down to -40°C Virtually eliminates oil foaming and varnish formation
General Lubrication Anti-Rust / Anti-Seize	<ul style="list-style-type: none"> Oil separation Water washout Rust, metal corrosion & oxidation 	OMEGA 95 Super Corrosion-Control Grease	<ul style="list-style-type: none"> Exceptional shear stability, oxidation resistance and high penetration Highly resistant to water and washout Excellent protection against rust, corrosion and wear
		OMEGA 99 "Seize-Stop" Grease	<ul style="list-style-type: none"> Non-toxic, free of lead & chromium Stops metal seizure from -130°C to 1093°C and makes maintenance & dismantling a snap! Inert to most gases and resistant to acid & alkali action, carbon fusion, rust cohesion Features micronized metals that act as barrier between mating metal surfaces

Machinery / Equipment	Lubrication Challenges	Suggested OMEGA Solutions	Benefits of OMEGA Lubricants
General Lubrication Anti-Rust / Anti-Seize	<ul style="list-style-type: none"> Oil separation Water washout Rust, metal corrosion & oxidation 	OMEGA 612 Universal Lubrication & Hydraulic Oil	<ul style="list-style-type: none"> Specially designed as run-in or lay-up lubricant Provides effective rust preventive films on the internal surfaces of machinery Turbine-quality circulation oil containing anti-oxidants and defoamants
		OMEGA 636 Jamaican-Base Universal Maintenance Oil	<ul style="list-style-type: none"> Made with pure Jamaican pimento oil for enduring quality Multi-purpose applications – lubricates, penetrates, repels water & inhibits rust formation Unprecedented standard of protection for metal surfaces against corrosion caused by oxidation
General Lubrication Couplings	<ul style="list-style-type: none"> High loading Oil separation in grease 	OMEGA 690 Super EP Gear Oil	<ul style="list-style-type: none"> Extra high performance coupling oil delivering superior extreme pressure characteristics and load-carrying properties Lubricates all types of enclosed gear drives with circulation or splash lubrication systems
		OMEGA 22 "Glide Sensation" All Purpose Grease	<ul style="list-style-type: none"> Superior PTFE synthetic grease engineered for a wide variety of applications at extremes of temperature Quality formulated with a synthetic base fluid and a special grade polytetrafluoroethylene (PTFE) constituent to ensure enhanced lubricity in punishing conditions
		OMEGA 57 Super Bearing Grease	<ul style="list-style-type: none"> Superior performance grease designed for use in high speed coupling applications Super cohesive featuring high fiber strength paraffinic base oils to provide unprecedented built-in toughness
General Lubrication Gear Reducers / Gear Boxes	<ul style="list-style-type: none"> Sludge and carbon deposits due to oxidation, metal-to-metal wear & thermal stability 	OMEGA 680 High-Performance Worm Gear Oil	<ul style="list-style-type: none"> Superior lubrication solution designed for worm gear applications – boosts efficiency up to 8% Significantly reduces metal-to-metal wear – extends gear set working life Provides superior & tenacious lubricity – ensures quieter & cooler gear operation
		OMEGA 690 Super EP Gear Oil	<ul style="list-style-type: none"> High quality commercial gear lubricants formulated from select based oils and an advanced additive package Excellent resistance to water, acid and frictional wear Multi-purpose - hypoid and extreme pressure applications as well as worm gear and limited slip differential applications Engineered to meet the most demanding extended drain and OEM and industrial requirements such as API GL-6
		OMEGA 696 "Dura-Power" Drive Train & Hydraulic Fluid	<ul style="list-style-type: none"> High performance multipurpose lubricant engineered to meet or exceed transmission and hydraulic fluid requirements

The above chart is for indicative purpose only. Depending on the actual operating conditions, some OMEGA lubricants may not be applicable or suitable for the machinery/equipment. Please consult OMEGA expert for more information.