



Forward to a stronger future.

Every day you subject your equipment to extreme loads, pressures and temperatures, as well as constant stress in harsh environments. When you consider that each working piece can have multiple lubrication points and varying schedules, it's clear there is a lot that can go wrong – unless you have a lubricant you can rely on. As many as 60% of mechanical failures are related to lack of lubrication.

Demanding environments demand Castrol.®

Advanced Castrol® lubricants for metals manufacturing

Mineral Gear Oils

Product	Description	Applications
Alpha® SP	EP mineral gear oil	Gearboxes, spur and helical gears
Optigear® 1100 Optigear® BM	High performance gear oils with proprietary additive system	Enclosed gear drives under heavy loads or with wear problems, sliding and roller bearings
Molub-Alloy® GM 969	Leak resistant gear oil	Leaky gearboxes

Synthetic Gear Oils

Product	Description	Applications
Alphasyn™ T	High temp, synthetic PAO gear, bearing and circulating oils	Light/medium duty gears, gearboxes, high temp circulating systems
Alphasyn™ EP	High temp, synthetic PAO gear oil with excellent EP	Bearings, circulating systems and gearboxes
Optigear® Synthetic 800	Synthetic gear oils, polyglycol (PAG)	High temp reservoirs and circulation systems, gears, bearings (heavily loaded spur, bevel and worm gears)

Hydraulic Oils

Product Range	Description	Specifications
Hyspin® AWS	Mineral hydraulic oil with zinc anti-wear	Hydraulic systems
Hyspin® AWH-M	High viscosity index hydraulic oil with zinc anti-wear	Hydraulic systems with wide temp range
Tribol® HM 943	Severe duty, ashless (zinc-free) hydraulic oil	Hydraulics, circulating systems, compressors

Discover how our advanced products, digital tools and expert services can help your metals manufacturing business succeed.

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Fire-resistant Hydraulic Fluids

Product	Description	Applications
Anvol® WG	FM approved, fire-resistant water glycol hydraulic fluid (up to 3000 PSI)	EAF and BOF systems, descalers, tundish stoppers, ladles, oscillators, melt shop
Anvol® SWX	FM approved, fire-resistant polyol ester hydraulic fluid (7500+ PSI)	EAF and BOF systems, descalers, tundish stoppers, ladles, oscillators, melt shop

Circulating Oils

Product	Description	Applications
Magna® CTX WT	Circulating oil with excellent water demulsibility for Primetals/Morgoil, SMS, and Danieli equipment	Backup roll bearings and high speed wire mills in steel rolling mills

High Performance Grease

Product	Description	Applications
Molub-Alloy® 6040	Heavy duty, calcium sulfonate grease designed for wet environments	Rolling mills, continuous casters, high speed couplings, low speed highly loaded couplings
Molub-Alloy® 860 ES	Heavy duty, lithium complex grease with proprietary mixture of lubricating solids	Anti-friction bearings, bushings, reheat furnaces, mill stand screws, roller bearings, manipulators and guide rollers for continuous casters
Molub-Alloy® 777 ES	Heavy duty, tacky, high viscosity lithium grease with proprietary mixture of lubricating solids	Ball and roller bearings, bushings, slides, screws

High Temp Greases

Product	Description	Applications
Tribol® GR 4541 HT	Wide temp, synthetic, lithium complex bearing grease	Charge cranes, reheat furnaces, mill stand screws, roll bearings, guide rollers for continuous casters, and conveyors
Tribol® GR SW 460-1	High temp, high viscosity, synthetic lithium complex bearing grease	Charge cranes, reheat furnaces, mill stand screws, roll bearings, guide rollers for continuous casters, and conveyors
Molub-Alloy® 1000 HT	High temp, synthetic, bearing grease	Charge cranes, reheat furnaces, mill stand screws, roll bearings, guide rollers for continuous casters, and conveyors