

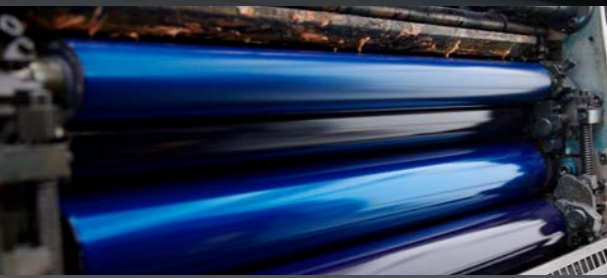
... to get these conditions under control means to optimise production.

With guaranteed operation reliability, Castrol High Performance Lubricants, Gear Oils and Greases for the Printing Industry solve the printing industry's toughest challenges.



Paper dust contaminates the printing machine's systems. This is especially the case with the drive and conveyor chains. Castrol high performance lubricants have excellent adhesion and penetration.

They guarantee trouble free system operation even when subjected to dust.



Humidity endangers the proper functioning of the systems.

Castrol high performance lubricants are water-repellent and protect against corrosion and fretting corrosion.



Modern production plants are subjected to high loads.

Castrol high performance lubricants actively protect against wear and ensure extended service life.

CASTROL'S RANGE OF LUBRICANTS FOR THE PRINTING INDUSTRY

SOLVING THE PRINTING INDUSTRY'S TOUGHEST CHALLENGES WITH OUR HIGH PERFORMANCE LUBRICANTS, GEAR OILS AND GREASES

We offer you a comprehensive range of world-class lubricants and greases which deliver the performance you need in a full range of applications, including the most demanding and capital intensive, where leading edge lubrication technology is required.

We can help make sure your printing machines run reliably, and for long periods of time – giving you improved production efficiency.

DISCLAIMER

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For professional advice about Castrol Products, call our:
Technical Help Line Australia: 1300 557 998

For any queries regarding Castrol Products and services call:
Customer Service and Orders: 1300 554 890

Paper dust, humidity, and increased wear ...

HIGH PERFORMANCE LUBRICANTS FOR THE PRINTING INDUSTRY



CHAIN LUBRICATION



GEAR LUBRICATION



BEARING LUBRICATION



SPECIAL APPLICATIONS



SHEET-FED PRINTING MACHINES (OFFSET) DRIVE CHAINS



OPERATING CONDITIONS

- High speeds
- Contamination by paper and powder dust
- Humid atmosphere
- High loads

PRODUCT

CASTROL VISCOGEN KL 300
Transparent, fully synthetic chain lubricant

- Extremely adherent
- No throw off
- Excellent load carrying capacity
- Optimum wear protection
- Very good corrosion protection
- Also for chain guideways of intermediate and delivery systems

SHEET-FED PRINTING MACHINES (OFFSET) CHAINS - SHEET FEEDER - PILE DELIVERY UNIT



OPERATING CONDITIONS

- High loads
- Wear
- Paper and powder dust

PRODUCT

CASTROL VISCOGEN KL 23 (SPRAY)
Transparent, fully synthetic chain lubricant for easy application

- Extreme adhesion and penetration
- Optimum wear protection
- Good load carrying capacity
- Reduces dust adherence
- Also for open lubricating points (eccentricities, radial cams, rocking levers, open ball bearings and gearwheels, threaded spindles) and paper infeed unit

CONVEYING SYSTEM 3D EJECTOR CHAIN



OPERATING CONDITIONS

- Paper dust
- High speeds
- Extended maintenance periods

PRODUCT

CASTROL TRIBOL GR 100-2 PD
Solids free, lithium based grease for extreme pressures and with excellent wear protection delivered through the MicroFlux Trans (MFT) additive system

- Optimum wear protection
- Extremely extended relubrication intervals
- Reduced maintenance
- Decreased coefficient of friction

PRINTING UNIT GEAR OF SHEET-FED OFFSET PRESSES AND ROTARY PRESSES (OFFSET, LETTERPRESS AND GRAVURE PRINTING)



OPERATING CONDITIONS

- High speeds
- High loads
- Vibrations

PRODUCT

CASTROL OPTIGEAR BM
High performance and long-term gear oils with maximum wear protection delivered through the MicroFlux Trans (MFT) additive system

- Optimum wear protection between the friction partners
- Extremely good load carrying capacity
- Reduced oil temperatures
- Decreased coefficient of friction
- Extended oil change intervals
- Lower disposal costs

P.I.V SELECTIVE CONTROL MECHANISM IN ROTARY PRESSES



OPERATING CONDITIONS

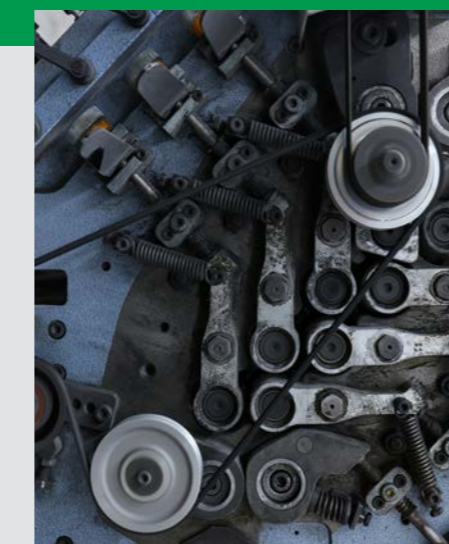
- Wear
- Vibrations
- High loads

PRODUCT

CASTROL OPTIGEAR BM
High performance with wear protection delivered through the MicroFlux Trans (MFT) additive system

- High load carrying capacity
- Long terms operation
- Optimum wear protection between the friction partners
- Extended oil drain intervals
- Also for Harmonic Drive gears and oil-lubricated gear motors

FOLDER UNIT DRIVE OF ROTARY PRESSES



OPERATING CONDITIONS

- Wear
- Vibrations
- High loads

PRODUCT

CASTROL OPTIGEAR BM
High performance and long term gear oils with the MicroFlux Trans (MFT) additive system that perform in the most extreme conditions

- Maximum wear protection
- Excellent load stability
- Reduced coefficient of friction
- Decreased oil temperatures
- High operational reliability with extended relubrication intervals
- Decreased maintenance
- Extended oil drain intervals

ROLLING BEARING OF CYLINDERS IN SHEET-FED OFFSET PRINTING MACHINES



OPERATING CONDITIONS

- High speeds
- High loads
- Wear

PRODUCT

CASTROL TRIBOL GR 100-2 PD
Solids free, lithium based grease for extreme pressures and with excellent wear protection delivered through the MicroFlux Trans (MFT) additive system

- Decreased coefficient of friction
- Especially shear-stable
- Decreased temperatures
- Extended relubrication intervals
- Extremely good load carrying capacity
- Also for rolling bearings in rotary presses

FOLDERS OF ROTARY PRESSES WITH CENTRAL LUBRICATION



OPERATING CONDITIONS

- Paper dust
- Numerous lubricating points with difficult access
- Lubricant starvation caused by plugged tubes and distributor
- Poor grease pumpability in long complex lubrication systems

PRODUCT

CASTROL TRIBOL GR 100 PD
Solids free, lithium based grease for extreme pressures and with excellent wear protection delivered through the MicroFlux Trans (MFT) additive system

- Excellent pressure stability
- Very good conveying behaviours
- No separating of base oil and thickener
- No clogging
- Optimum wear and corrosion protection

* Select consistency according to the NLGI grade which corresponds to the central lubrication system in question

ROLLING BEARINGS IN PRESSURE VACUUM PUMPS (SELF-LUBRICATING)



OPERATING CONDITIONS

- High temperatures
- Danger of residue formation
- Humidity
- Wear

PRODUCT

CASTROL TRIBOL GR HT 2
High performance grease developed using temperature-stable base materials that perform at operating temperatures of up to +160°C/+320°F.

- High pressure stability
- Good temperature and ageing resistance
- Reliable wear and corrosion protection
- Low-maintenance long term lubrication
- Also for thermally-loaded fan and air bearings

GRIPPING UNIT OF SHEET-FED OFFSET PRESS



OPERATING CONDITIONS

- Paper dust
- Humidity
- Vibration
- Stiffness
- Intensive maintenance

PRODUCT

CASTROL TRIBOL GR 100-2 PD
Solids free, lithium based grease for extreme pressures and with excellent wear protection delivered through the MicroFlux Trans (MFT) additive system

- Decreased coefficient of friction
- Optimum shearing stability
- Significantly extended relubrication intervals
- Protection against fretting corrosion
- Excellent load carrying capacity

