



IROL Infinity energy



Sirol Ferrocut CF 32 (Active Cutting Oils)

Description:

Sirol Ferrocut CF 32 oils are premium quality, chlorine-free, active sulphur type neat cutting oils recommended for a variety of machining operations on ferrous metals. These oils are formulated with selected base oils fortified with a new generation extreme pressure additives. These oils are tailored to operate over a wide range of operating temperatures/severity of operations.

Recommendations:

Sirol Ferrocut CF 32 is recommended for Auto/Semi auto turret lathe, gear cutting, threading and tapping on high tensile steels.

Key Properties:

Product	Kinematic Viscosity CST @ 40 Deg C	Copper Strip Corrosion	FLASH POINT Deg C Typical (COC)
Ferrocut CF 32	31 - 35	4a	150



Sirol Ferrocut CF 35 (Active Cutting Oils)

Description:

Sirol Ferrocut CF 35 Oils are active type Sulfo-chlorinated neat cutting oils. These are manufactured from highly refined base oils and are fortified with high performance additives including extreme pressure additives, rust and oxidation inhibitors and fatty material.

Recommendations:

Sirol Ferrocut CF 35 oils are recommended for severe machining operations on ferrous metals. These oils are specially developed for the lubrication needs of Cold Nut and Bolt forming operations in fastener companies which encounter very high cutting speeds on ferrous metals. These oils have high fatty oils and active sulphur and are therefore not suitable for use on yellow metals.

Key Properties:

Product	Kinematic Viscosity CST @ 40 Deg C	Weld Load in Kgs	FLASH POINT Deg C Typical (COC)
Ferrocut CF 35	35 - 40	800	195



Sirol Ferrocut MP 45 (Active Cutting Oils)

Description:

Sirol Ferrocut MP 45 Oils are active type Sulphur-Chlorinated neat cutting oils. These are manufactured from highly refined base oils and are fortified with high performance additives including extreme pressure additives, rust and oxidation inhibitors and fatty material.

Recommendations:

Sirol Ferrocut MP 45 oils are recommended for severe machining operations on ferrous metals. These oils are specially developed for the lubrication needs of Cold Nut and Bolt forming operations in fastener companies which require very high cutting speeds on ferrous metals. These oils have high fatty oils and active sulphur and are therefore not suitable for use on yellow metals.

Key Properties:

Product	Kinematic Viscosity CST @ 40 Deg C	Weld Load in Kgs	FLASH POINT Deg C Typical (COC)
Ferrocut MP 45	60 - 70	800	195



Sirol broach 17 (Broaching Oils)

Description:

Sirol broach 17 is active, transparent neat broaching oil. This oil is formulated with highly refined base oils fortified with suitable EP additives of fatty oil and active sulphur for improved surface finish and anti-misting.

Recommendations:

Sirol broach 17 is recommended for heavy duty severe machining operations such as threading, tapping and broaching on ferrous metals and more difficult alloys. These oils have active sulphur and are therefore not suitable for use on yellow metals.

Key Properties:

Product	Kinematic Viscosity CST @ 40 Deg C	Weld Load in Kgs	FLASH POINT Deg C Typical (COC)
broach 17	14 - 18	850 - 1200	150



Sirol DHD Oil (Deep Hole Drilling Oils)

Description:

Sirol DHD Oil is light coloured, active and transparent oil intended primarily for Deep Hole Drilling operation. This oil is formulated with selected base oil fortified with active type, extreme pressure additives like active sulphur, chlorine and anti-misting agents.

Recommendations:

Sirol DHD Oil is designed especially for difficult operations such as deep hole drilling, deep boring and gun drilling where pressurised delivery of the cutting fluid is essential to clear fine swarf effectively. It is useful for mild to extremely severe operations on ferrous metals only. These oils have active sulphur and are therefore not suitable for use on yellow metals.

Key Properties:

Product	Kinematic Viscosity CST @ 40 Deg C	Weld Load in Kgs	FLASH POINT Deg C Typical (COC)
DHD Oil	9 - 12	750	130



Sirol Rollform SHC (Cold Forming Oils)

Description:

Sirol Rollform SHC is a Emulsion type speciality synthetic Extreme Pressure Rolling and Forming fluid developed for use in forming and rolling of Steel tubes and sheets

Recommendations:

Sirol Rollform SHC oils are recommended for recommended for lubrication and cooling in Rolling and forming operations on Steel Tubes and sheets

Key Properties:

Product	Specific Gravity @ 29.5 Deg C	pH of 5% Emulsion	Emulsion Stability
Rollform SHC	0.89 - 0.9	8.8	Excellent



Sirol Metadraw 9711 (Metal Drawing Oils)

Description:

Sirol Metadraw 9711 oils are Eco-Friendly Chlorine free heavy duty forming fluid meant for ferrous forming operations.

Recommendations:

Sirol Metadraw 9711 oils are designed for most heavy duty blanking operations such as wheel disk, sprockets. It can also be used in thick wire drawing operations.

Key Properties:

Product	Kinematic Viscosity CST @ 100 Deg C	Friction Modifier	FLASH POINT Deg C Typical (COC)
Metadraw 9711	20 min	Present	200



Sirol Metadraw RA (Metal Drawing Oils)

Description:

Sirol Metadraw 9711 oils are Eco-Friendly Chlorine free heavy duty forming fluid meant for ferrous forming operations.

Recommendations:

Sirol Metadraw RA oils are designed for moderate duty cold forming operations such as Gauge conversion, nut, bolt forming operations, wire drawing etc.

Key Properties:

Product	Kinematic Viscosity CST @ 100 Deg C	Friction Modifier	FLASH POINT Deg C Typical (COC)
Metadraw RA	15 min	Present	190

Sirol Metastamp 71 (Stamping Oil)

Description:

Sirol Metastamp 71 a heavy duty forming fluid meant for ferrous forming operations.

Recommendations:

Sirol Metastamp 71 oils are designed for most medium duty stamping, drawing operations on ferrous and non ferrous metals of medium to heavy gauge sheets. These oils provide excellent work piece finish on stainless steel, Alloy steel tubes, aluminium, aluminium alloys.

Key Properties:

Product	Kinematic Viscosity CST @ 100 Deg C	Friction Modifier	FLASH POINT Deg C Typical (COC)
Metastamp 71	145 - 165 min	Present	170



Sirol Dual Purpose oil (Hydraulic Cum Machinery Oil)

Description:

Sirol Dual Purpose oil is Chlorine free heavy duty dual purpose oil for machining of metals and can be used as machine lubricant and hydraulic fluid.

Recommendations:

Sirol Dual Purpose oils are recommended for Machining & grinding, Broaching, Gear hobbing, shaping, shaving, Cold heading, Honing, Tapping etc on stainless steel, high alloy steel, copper alloys and yellow metal.

Key Properties:

Product	Kinematic Viscosity CST @ 40 Deg C	Copper Strip Corrosion	FLASH POINT Deg C Typical (COC)
Dual Purpose Oil	45-60	1b	200



Sirol Emulcut 95 (Emulsion type Soluble cutting Oil)

Description:

Sirol Emulcut 95 is a soluble-oil type high quality cutting cum grinding coolant which forms rich milky white and highly stable emulsion with water. Contains rust inhibitors, which impart anti-rust and anti-corrosive properties to the emulsion. Carefully selected biocide is incorporated to prevent bacterial growth in the emulsion

Recommendations:

Sirol Emulcut 95 is recommended for variety of cutting operations on ferrous and non-ferrous metals. The oil is especially suitable for metal working operations where the cooling property is more desirable. To obtain stable emulsion, oil should be added to water and not vice versa. A homogeneous dispersion of oil in water can be obtained by continuous stirring either manually or mechanically while preparing the emulsion. Sirol Emulcut 95 is normally recommended at 10:1 upto 20:1 water oil dilution for milling, boring and turning operation and upto 40:1 for grinding operations

Key Properties:

Product	PH of 5% Emulsion	Rust Test	Colour of Emulsion
Emulcut 95	8.5 to 9.5	Pass	Milky White



Sirol Syncut Premium (Semi-synthetic Cutting Oil)

Description:

Sirol Syncut Premium is a semi-synthetic, bio-stable, micro emulsion type water soluble cutting fluid. It forms translucent clear solution when mixed with water. The solution formed is homogenous and does not break even during prolonged usage or shut downs. Sirol Syncut Premium is a low oil content non-EP type product whose emulsions are compatible with cast irons, most ferrous alloys including stainless steel and free cutting aluminium alloys, oil resistant plastics and other non-ferrous metals

Recommendations:

Sirol Syncut Premium is recommended for grinding, reaming and general machining operations. Sirol Syncut Premium is also suitable for deep hole drilling and boring, thread cutting and forming operations under appropriate concentration levels. Sirol Syncut Premium gives excellent oil life, many times more than the conventional soluble cutting oils and also provides extended tool life and finish in all cutting operations and most arduous heavy duty machining operations.

Key Properties:

Product	pH of 5% Emulsion	Mineral Oil Content	Colour of Emulsion
Syncut Premium	9.6 (Typ)	15%	Brownish -White



Sirol Syncut M 3075 (Semi-Synthetic EP Type Cutting Oil)



Description:

Sirol Syncut M 3075 is a semi-synthetic, bio-stable, micro emulsion type extreme pressure water soluble cutting fluid. It forms milky to semi-translucent emulsions depending upon the quality of water used for emulsion formation. The solution formed is homogenous and does not break even during prolonged usage or shut downs. Sirol Syncut M 3075 is a High oil content Medium-EP type product whose emulsions are suitable for a operations on a wide range of ferrous alloys including high tensile steel and other difficult to machine alloys. These emulsions are also suitable for Aluminium alloys and yellow metal alloys.

Recommendations:

Sirol Syncut M 3075 oils are recommended for general purpose machining operations like sawing, milling drilling and other chip forming operations, general purpose surface, cylindrical and centerless grinding operations. Sirol Syncut M 3075 gives excellent oil life, many times more than the conventional soluble cutting oils and also provides extended tool life and finish in general machining and grinding operations. These oils are also found to be very good in difficult operations or materials.

Key Properties:

Product	pH of 5% Emulsion	Mineral Oil Content	Colour of Emulsion
Syncut M 3075	9.1 (Typ)	51%	Brownish -White



Sirol HYDRA HLP 32 / 46 / 68 (HLP type Hydraulic Oil)

Description:

Sirol Hydra HLP series of oils are high performance hydraulic oils with optimal anti-wear properties and high load carrying capacity meeting DIN 51524 Part 2 HLP requirements. Its excellent oxidation resistance and high viscosity index delivers good performance at higher temperatures over extended operating intervals. Carefully balanced Antioxidants and corrosion-inhibitors provide good ageing and temperature resistance. The oil offers excellent foam control and good demulsibility. This oil is neutral toward ferrous metals and almost all nonferrous metals and gasket-materials.

Applications:

Sirol Hydra HLP series of oils are recommended for hydraulic systems containing gears and bearings where good anti-wear properties are required, where wide ambient temperatures are encountered and are subject to the influence of water. They are also recommended for On and off-highway equipment including: trucking, construction, Mining, quarrying, and agriculture. Hydra HLP 68 is also recommended for extensive use in screw compressors.

Key Properties:

Product	Kinematic Viscosity CST @ 40 Deg C	Viscosity Index Min	FLASH POINT Deg C Typical (COC)
Hydra HLP 32	28 - 35	90	180
Hydra HLP 46	40 - 50	90	180
Hydra HLP 68	61 -75	90	210



Sirol Hydraulic AW 32 (Antiwear Hydraulic Oil)

Description:

Sirol Hydraulic AW 32 series of oils are high performance hydraulic oils with optimal anti-wear properties and high load carrying capacity meeting anti-wear hydraulic oil requirements. Its excellent oxidation resistance and high viscosity index delivers good performance at higher temperatures over extended operating intervals. Carefully balanced Antioxidants and corrosion-inhibitors provide good ageing and temperature resistance. The oil offers excellent foam control and good demulsibility. This oil is neutral toward ferrous metals and almost all nonferrous metals and gasket-materials.

Applications:

Sirol Hydraulic AW 32 series of oils are recommended for hydraulic systems containing gears and bearings where good anti-wear properties are required, where wide ambient temperatures are encountered and are subject to the influence of water. They are also recommended for On and off-highway equipment including: trucking, construction, Mining, quarrying, and agriculture.

Key Properties:

Product	Kinematic Viscosity CST @ 40 Deg C	Viscosity Index Min	FLASH POINT Deg C Typical (COC)
Hydrex AW 32	28 - 35	90	180
Hydrex AW 46	40 - 50	90	180
Hydrex AW 68	61 -75	90	210



Sirol HYDRO 32/46/68 (R&O type Hydraulic Oil)

Description:

Sirol Hydro P Series of oils are rust and oxidation inhibited Circulation cum hydraulic oil grades blended with API Group I base stocks and are intended for use in situations where long service period is desired and improved anti-wear characteristics are not essential.

Applications:

Sirol Hydro P Series of Oils are recommended for use in hydraulic systems where anti-wear properties are not specifically needed. These oils are also recommended for lubrication of plain and antifriction bearings in moderate duty or intermittently operating systems. May be used for enclosed industrial gear boxes where Extreme Pressure lubricants are not required

Key Properties:

Product	Kinematic Viscosity CST @ 40 Deg C	Viscosity Index Min	FLASH POINT Deg C Typical (COC)
Hydrex P 32	28 - 35	90	180
Hydrex P 46	40 - 50	90	180
Hydrex P 68	61 -75	90	210



SIROL GEAR GURD EP SERIES (Industrial Gear Oil)

Description:

SIROL GEAR GURD EP SERIES of Oils are extreme pressure industrial gear lubricants formulated with selected high VI base stocks and fortified with sulphur-phosphorus extreme pressure additives to provide good wear protection, excellent adhesion and good cushioning of shock loads. These are suitable for bath, splash, circulation and mist systems (low viscosity grade only) of lubrication methods. SIROL GEAR GURD EP SERIES oils are currently available in ISO viscosity grades of 100, 150, 220, 320, and 460

Applications:

SIROL GEAR GURD EP SERIES of Oils are recommended for the lubrication of industrial and mobile equipment that include a variety of all heavy duty enclosed gear drives, chain drives, sprockets, bearings, sliding surfaces, flexible couplings operating under heavy or shock loading conditions operating at high temperatures. These are specially recommended for enclosed gear drives and speed reducers in metal rolling mills, paper, chemical, steel and mine hoists. Pressgear oils are ideally suited for worm and hypoid gear cases.

Key Properties:

Product	Kinematic Viscosity CST @ 40 Deg C	Viscosity Index Min	FLASH POINT Deg C Typical (COC)
GEAR GURD EP 100	90 – 110	90	200
GEAR GURD EP 150	135 – 165	90	210
GEAR GURD EP 220	200 - 240	90	220
GEAR GURD EP 320	282 - 350	90	230
GEAR GURD EP 460	410 - 500	90	250



SIROL GP OIL SERIES (Straight Machinery Oils)

Description:

SIROL GP OIL SERIES of oils are highly refined mineral oils for general-purpose machinery lubrication. Atlas series of oils provide good oiliness for general lubrication under boundary conditions and are best suited for 'once-through' applications.

Applications:

SIROL GP OIL SERIES of oils are recommended for Industrial general-purpose lubrication where straight mineral oil is suitable. Heavier grades can be used for small open gears, looms and textile mill machinery, paper mills and machine tools etc. Atlas series are currently available in Viscosity Grades of 100, 150, 220, 320, & 460.

Key Properties:

Product	Kinematic Viscosity CST @ 40 Deg C	Viscosity Index Min	FLASH POINT Deg C Typical (COC)
GP OIL 100	90 – 110	90	200
GP OIL 150	135 – 165	90	210
GP OIL 220	200 - 240	90	220
GP OIL 320	282 - 350	90	230
GP OIL 460	410 - 500	90	250



SIROL PUMA JDX SERIES (Anti-Wear Circulation Oil)

Description:

SIROL PUMA JDX SERIES of oils are premium quality Anti-wear type hydraulic cum Circulating Oils. These are made from high quality solvent refined base stocks fortified with anti-wear, anti oxidation, anti-rust and anti-foam additives for long service life.

Applications:

SIROL PUMA JDX SERIES oils are recommended for circulation systems of paper mills, plastic films, calendar, and coal pulverisers' etc requiring Anti-wear type of oil. Puma oils are also recommended for non-turbine circulating systems and stationary and mobile hydraulic systems operating at moderate to high pressures. These oils are also recommended for compressor crankcase lubrication and are currently available in ISO Viscosity Grades from 100 to 460.

Key Properties:

Product	Kinematic Viscosity CST @ 40 Deg C	Viscosity Index Min	FLASH POINT Deg C Typical (COC)
Puma 100	90 – 110	90	200
Puma 150	135 – 165	90	210
Puma 220	200 - 240	90	220
Puma 320	282 - 350	90	230
Puma 460	410 - 500	90	250



SIROL SLIDEWAY XP 68 (Slideway / Guideway Oils)

Description:

SIROL SLIDEWAY XP 68 oils are premium quality slide and guide way lubricants having mild EP, Tackiness, anti rust and anti-foam additives. These oils provide stick - slip & chatter free lubrication of slide ways, guide ways of Machine tools as they have low coefficient of friction.

Applications:

SIROL SLIDEWAY XP 68 oils are ideal products for slide way lubricants for planers, grinders, boring machines, shapers, jig borers and machine tools where high precision work are involved. These can also be recommended for lubrication of gears by oil can applications. These are currently available in Viscosity grades of 68 & 220.

Key Properties:

Product	Kinematic Viscosity CST @ 40 Deg C	Viscosity Index Min	FLASH POINT Deg C Typical (COC)
SLIDEWAY XP 68	60 - 75	90	180
SLIDEWAY XP 220	200 – 240	90	210



SIROL SPINLUBE SERIES (Textile Machinery Spindle oils)



Description:

SIROL SPINLUBE SERIES oils are premium quality spindle oils. These are formulated with highly refined base oils with inherent Oxidation and Chemical stability and are further fortified with anti-oxidant, anti-rust, and anti-foam additives.

Applications:

SIROL SPINLUBE SERIES oils are recommended for high speed spindles in Textile Machinery and Machine Tools, Spindle bearings, Timing gears, Centrifugal separators, Blowers and hydraulic systems of precision machine tools. These are currently available in ISO Viscosity grades of 10, 12 & 22.

Key Properties:

Product	Kinematic Viscosity CST @ 40 Deg C	Viscosity Index Min	FLASH POINT Deg C Typical (COC)
Texospin 10	9 - 12	90	130
Texospin 12	11-14	90	150
Texospin 22	19 - 24	90	160



SIROL RPO DW 902 SERIES (Solvent type Rust preventive Oils)

Description:

SIROL RPO DW 902 SERIES are soft film, solvent based, de-watering type, temporary rust preventive oils. These rust preventives oils can be applied directly to water - wet metal surfaces, where they displace water, forming a protective film. These oils can be applied at room temperature by dip/spraying/brushing method.

Applications:

SIROL RPO DW 902 SERIES offer good rust prevention/protective films for all types of machine shop jobs.

Corroban 901 gives Indoor Protection-12 Months & Outdoor Protection of 3 Months

Corroban 902 gives Indoor Protection - 9 Months & Outdoor Protection of 2 Months Corroban 904 Super is recommended for in-process component protection for effective removal of soluble oil emulsion traces during machining processes. The oil can also be used for protection of components, which are subsequently wrapped in paper.

Key Properties:

Product	Film coverage in Sq Mtrs	Specific Gravity	FLASH POINT Deg C Typical (COC)
Corroban 901 Super	30- 35	0.81 – 0.82	45
Corroban 902 Super	30 - 40	0.82 – 0.83	45
Corroban 904 Super	50 - 60	0.82 – 0.84	45



SIROL RPO 902A SERIES (Mixed Base Rust Preventive Oil)

Sirol Corroban

902 A oils are soft film water displacing type, rust & corrosion preventives. These fluids can be applied directly to water wet metal surfaces, where they displace water, leaving a protective film. All these fluids have excellent spread-ability and they can be applied either by dipping or by spraying. The protective films of all these grades can be removed by wiping off with rags/waste soaked in kerosene/mineral turpentine or by alkaline/ solvent degreasers. These oil give rust protection upto 4 months and 1 month in outdoor and indoor conditions respectively.

SIROL RPO 902A SERIES leaves a greasy film, resistant to handling and gives excellent protection. It can be used for protection against Rust during storage of valuable machine tools and can also be used as a final protective coating under severe conditions. The application can easily be done by spray or brush. For deeper penetration and better de watering effect, dipping is the recommended method. The component after complete soaking of oil should be allowed to drain excess oil for proper film formation



Product	Film coverage in Sq Mtrs	Kinematic Viscosity @ 40 Deg C in cSt	FLASH POINT Deg C Typical (COC)
902 A	150 – 165	2 – 3	90

SIROL RPO AFR 207 (Acid Fume Resistant Rust Preventive Oil)

Description:

Sirol RPO AFR 207 is oil film type, light lubricating oil based corrosion preventive, containing selected corrosion inhibitors. This fluid has an excellent spreading property and provides a thin uniform oily protective film. It can be applied by dipping, spraying or electrostatic blade coater. The oil film provides excellent protection in acid fume environment.

Applications:

Sirol RPO AFR 207 is recommended for severe condition like acid fumes, humid and saline atmosphere, and specially designed for use in hot and cold Rolled sheets and application by electrostatic blade coating machine.

Key Properties:

Product	Film Type	Kinematic Viscosity @ 40 Deg C in cSt	Salt Spray test (Typical Hrs)
RPO AFR 207	Oily	25 cSt	50 hrs



SIROL RPX 32 (Specialty Rust Preventive Oil)

Description:

SIROL RPX 32 is a soft waxy film, solvent deposited, water displacing type, corrosion preventives. These fluids can be applied directly to water wet metal surfaces, where they displace water, leaving a protective film. All these fluids have excellent spreading and they can be applied either by dipping or by spraying. The protective films can be removed by wiping off with rags/waste soaked in kerosene/mineral turpentine or by alkaline de-greasants or solvent de greasing methods.

Applications:

SIROL RPX 32 is recommended for protection against Rust during storage and transport of valuable machine tools, as a final protection under severe conditions.

Key Properties:

Product	Film Type	Coverage Sq Mts / Ltr	Humidity Cabinet Test(Typical Days)	Salt Spray test(Typical Hrs)
RPX 32	4-5 Micron	60	180	250hrs



SIROL LITHOGEM EP SERIES (Extreme pressure Industrial Grease)

Description:

Sirol Lithogem EP greases are premium quality lithium soap base products containing an extreme pressure additive. These grades are specially formulated to meet the demand of an EP grease for boundary lubrication conditions so as to prevent excessive wear, localised welding or seizure often associated with such severe operating conditions. Sirol Lithogem EP greases possess excellent shear stability, high load carrying capacity, high oxidation stability and capability to provide protection against rust and corrosion. These greases are available in NLGI 1 and NLGI 2.

Applications:

Sirol Lithogem EP greases are recommended for the lubrication of both plain and anti-friction bearings in a wide variety of application such as automotive and earth moving equipment, gear couplings, electric motors, mining equipment and general industrial machinery.

Key Properties:

Product	Soap Type	Penetration	Drop Point Deg C
Lithogem EP 1	Lithium	310 – 340	180
Lithogem EP 2	Lithium	265 – 295	180





SRN LUBRICANTS PRIVATE LIMITED

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