



onwo™

High Performance Lubricants

VALUE ADDED LUBRICATION SOLUTIONS FOR
TEXTILE INDUSTRY

THE COMPANY



RAJ PETRO SPECIALITIES P. LTD. is today a multi product, multi location conglomerate with world class products and services encompassing the spectrum of petroleum specialities business.

Raj Petro offers an exhaustive range of over 500 world class products covering a wide array of applications, as well as speciality segments of the industry.

More than a dozen renowned generic product brands, each one a market leader in its own field, offer innovative solutions to today's discerning customer in the global market.

With a footprint in more than 80 countries Raj Petro is amongst one of the larger manufacturers of transformer oils, process oils, industrial lubricants and Speciality oils.



TRUSTED BY MAJOR TEXTILE CUSTOMERS



TOTAL LUBRICATION SOLUTIONS FOR THE NEXT GEN TEXTILE INDUSTRY

Innovation has been the key engine for growth in the Modern Textile Industry. Increased automation, enhanced working speeds and greater output per unit power consumption are today being achieved using a variety of modern machines, new spinning assemblies and weft insertion systems that set new benchmarks of performance and efficiency. A key factor in the success of these versatile machines has been – and always will be the lubricants that reduce friction & wear and keep these systems running effortlessly! Modern textile machinery requires tailored lubricating solutions that go far beyond the ordinary. These include products that significantly extend re-lubrication intervals, cut down wasteful downtime and conserve precious energy even under the most adverse operating conditions.

THE BRAND



Raj Group now offers its internationally acclaimed **ONWO** range of **Performance⁺** lubricants to address every possible lubricating need of the modern textile industry. **ONWO Performance⁺** lubricants are designed with technical knowhow from UK and manufactured at the Company's modern ISO 9001 manufacturing plant at Chennai. The range includes synthetic and mineral based high speed, high load and chemical resistant greases, chain oils, synthetic gear & hydraulic oils, compressor oils, food grade lubricants and a complete range of conventional/ high performance lubricants from the Company's **kyros** range of industrial lubricants.

ONWO Performance⁺ lubricants, formulated from premium quality synthetic and ultra-refined mineral oils and synergistic internationally proven additive systems, offer reliable, extended and cost effective performance in diverse application requirements in the textile industry.



| FEATURES | AREA OF APPLICATION | ADVANTAGES & BENEFITS |
|----------|---------------------|-----------------------|
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| HIGH SPEED GREASE | | |
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ONWO HIGH SPEED GREASE 2

A unique high speed grease formulated with specially developed low viscosity synthetic oils, high dropping point thickener and friction reducing white solids.
Service Range (-50 to +120 °C)
 Free from heavy metals.

Draw Frame End Bush bearing
 TFO Pot bearing
 Auto Coner Drum Shaft bearing
 Auto Coner Wet splicer kit
 O.E. Spinning Rotor bearing

Recommended for high speed bearing upto a Dm N value of 12,00,000
 Protects against corrosion & humidity
 Recommended for filled for life & precision bearings

| LONG LIFE GREASES | | |
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ONWO SYNTHETIC MULTIFUNCTIONAL RF 2 GREASE

Light coloured high dropping point synthetic grease, fortified with white solids for additional protection.
 Completely non-staining & non-toxic.

Service Range (-30 to +140 °C)

Needle Roller Bearing for bottom fluted roll
 Draw Frame End Bush bearing
 Speed < 250 mpm
 Sensor roll bearing
 Ring Frame Jockey pulley
 Tin Roll Shaft
 Telescopic bearing
 Other general applications

Wide operating range
 White solid lubricant provides emergency lubrication
 Extends drain intervals
 Reduces entry of contaminants
 Cost effective lubrication for textile applications
 Suitable for speeds upto Dm N value of 500,000

ONWO SYNTHETIC POLYTEK HT 2 GREASE

High temperature synthetic polyurea grease with high dropping point and outstanding oxidation stability with low carbonising tendencies and extreme pressure properties
Service Range (-40 to +220 °C)

Ring Frame Arbor bearing

Heavy duty Long life grease
 Higher Oxidation Stability, No Residues or deposits

ONWO POLYTEK SUPER GREASE

High temperature polyurea grease with outstanding oxidation stability for extending relurication interval
Service Range (-20 to +180 °C)

Ring Frame Variator Assembly
 Ring Frame Arbor bearing
 Heavy duty motor bearings
 Blower bearings
 Centering Disc & bearings of Texturising machines

Higher Oxidation Stability
 High temperature capability
 Good Water Resistance
 Higher load carrying capability

ONWO SILICON VALVE SEALING GREASE

Water and chemical resistant non melting synthetic silica grease
Service Range (-40 to +200 °C)

Lead seal of yarn conditioner
 O Rings & Seals of mechanisms in aggressive media

Excellent steam and water/acid resistance
 Neutral to Polymeric & Non ferrous material
 Good sealing properties
 Compatible with all seal materials except silicones

| GEARBOX OILS | | |
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ONWO SYNTHETIC GEAR OILS

High performance synthetic gear oils compatible with mineral oils, with high load bearing capacity and excellent anti-wear characteristics. Show low residual tendencies at high temperatures. Available in ISO VG Grades 150/220/320/460/680.
Service Range (-30 to +150 °C)

Comber Headstock Gearbox
 Dobby gear box of Loom

Extends drain intervals
 Compatible with all materials in gear box
 Lowers coefficient of friction
 Reduces temperatures
 Energy Savings
 Wide operating range

ONWO SYNTHETIC PG GEAR OILS

Polyglycol based high performance synthetic gear oils with high viscosity index and excellent load bearing capacity. Not compatible with mineral oils. Available in ISO VG Grades 150/220/320/460
Service Range (-30 to +150 °C)

Loom Gear Box
 Drying cylinder oil lubricated bearings of sizing
 Synthetic oil for POY /PSF
 Rotor Drive gearbox of Winder

High Viscosity Index /better film strength
 Extends Drain Intervals
 Reduces Coefficient of friction
 Reduces operating temperature by 5 to10°C
 Energy Savings

FEATURES

AREA OF APPLICATION

ADVANTAGES & BENEFITS

kyros SUPERGEAR SP OILS

Mineral based Gear Oils with good load bearing capacity and anti wear properties.
Service Range (-10 to +110 °C)

Dobby gear box of loom
Auto Coner Twin disc oil
Other gear boxes to textile machines

Extreme pressure protection upto 110°C
Good Oxidation resistance
Good Demulsification and air release

LONG LIFE SPINDLE OILS

ONWO ULTRASPIN EE 12

High viscosity index mineral oil based energy conserving spindle oil.
Service Range (-10 to +100 °C)
Synthetic Spindle Oils are also available in our range

Long collar spindle of Simplex

Extends drain intervals
Prevents jamming of collars
Compatible with all materials

HIGH TEMPERATURE CHAIN OILS

ONWO HIGH TEMPERATURE CHAIN OIL 260

Low carbonising high temperature synthetic chain oil with low volatility and high spreadability for optimum usage.
Service Range (-20 to +260 °C)

Stentor chain
Chains of sizing & drying machine
Loop steamer
Conveyor chain of loom & dryer

Adhesive & Non Drip
Low Evaporation Losses
No deposits or residues
Good penetration into chain links

HIGH TEMPERATURE GREASES

ONWO SYNTHETIC HIGH TEMPERATURE GREASE 2 HEAVY

Synthetic high temperature bearing grease with excellent shear stability for extending relubrication intervals.
Service Range (-40 to +200 °C)

Drying cylinder oil lubricated bearings of sizing
Bottom/Upper guide & transporting Roller of Dyeing machine
Loop Steamer bearing
Stenter M/c Fan bearing
Booster pump universal joint
Crimping machine roller bearing

Long life high temperature grease
Higher Oxidation Stability
Reduces residues and deposits
Widely used in processing industry
Solid lubricants for emergency lubrication

ONWO ULTRASHIELD 55/2

PFPE based inert grease for coping with aggressive chemical environment at normal to high temperatures.
Service Range (-30 to +280 °C)

Grease lubricated stenter chain
High temperature in manufacturing of synthetic fibers

Long term lubrication in high temperature areas
Excellent Chemical stability

ONWO PTFE MP GREASE

Long life grease for high temperature bearings & mechanisms.
Service Range (-40 to +170 °C)

Fan motor bearing of dust collection unit
Pneumatic motor bearings
Humidification plant bearing

High temperature grease for long term lubrication

FLUID GREASE

ONWO MULTISHIELD EP 00

Cost effective semi fluid grease for gear boxes and centralised systems
Service Range (-20 to +150 °C)

Flat Drive Gear box in carding machine
Coiler Feed gear box in carding machine
Centralised lube system of looms
Geared Motors

Premium quality fluid grease for centralised systems
Long term lubrication of gears
Good EP characteristics
Good adhesion and water resistance

AEROSOL SPRAYS are also available for Auto coner ,chain lubrication, cleaning applications

RAJ PETRO SPECIALITIES PVT. LTD.

AN ISO 9001, ISO 14001 & OHSAS 18001 CERTIFIED COMPANY

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Raj Group