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INDUSTRIAL
OIL LUBRICANTS

ABOUT US

OilChem Industries Private Limited has been established in year 2020 with the aim of providing great product to the Automotive and Industrial society.



WHY US?

After doing the R&D of the today's Automotive and Industrial market our company has come up with a lubricant product under the title of Di-mol which are the best in quality, durability and affordable to the Indian consumers. These products are manufactured after many R&D's making it most compatible to the machinery, and the quality of the product is maintained by the mandatory tests performed by our experienced Engineers. The manufacturing of the products is done in the close and safe environment with high class automation equipment's. There's no compromise in product's quality.

HYDRAULIC OIL

DIMOL HYDRATECH HLP

GRADE: VG 32, 46, 68, 100, 150

INTRODUCTION: Dimol HYDRATECH HLP are premium grade hydraulic oils having extra heavy-duty anti-wear property with excellent thermal stability. They have excellent compatibility with seals normally used in hydraulic system and unique hydrolytic stability.

APPLICATION: Dimol HYDRATECH HLP are recommended for high performance electro-hydraulic or numerically systems. These oils can be used for chain drives and compressor crankcase lubrication. It is also being used in on and offhighway industries including: Trucking, Construction, Mining, Quarrying, and Agriculture.

DIMOL HYDRATECH AW

GRADE: ISO VG 32, 46, 57, 68, 81, 100, 150

INTRODUCTION: DIMOL HYDRATECH AW are blended from highly refined base stocks and specially selected Anti-oxidant, Anti-corrosion, Anti-wear and Anti-foam additives. These oils can sustain very high pressure of the system and high speed of the pumps and compatible with the seals normally used in the hydraulic system.

APPLICATION: DIMOL HYDRATECH AW is designed for use in Mobile and Stationary hydraulic Vane, Piston and Gear type pumps. It is recommended for moderate hydraulic systems and wide variety of circulating systems of industrial equipment's. These oils are also recommended for Circulation, Splash, Ring oiling systems of the Bearings and Gears of industrial machinery that require a long-life lubricant. These oils can also be used for chain drives and compressor crankcase lubrication.

DIMOL HYDRATECH HVI

GRADE: ISO VG 32, 46, 68, 100

INTRODUCTION: DIMOL HYDRATECH HVI are premium grade high viscosity index hydraulic oils which have excellent shear stability and can withstand wide range of temperatures. These oils contain special additive package that reduces Wear, Rust, oxidation and imparts good hydrolytic stability and water separation characteristics. Good anti-foam and air release properties ensure smooth operation and system efficiency. They have excellent compatibility with seals normally used in hydraulic system.

APPLICATION: DIMOL HYDRATECH HVI are mainly recommended for hydraulic Excavators of Tata–Hitachi, L & T, Komatsu, etc. It is also recommended for offroad mobile construction and forestry equipment such as Backhoes, Bulldozers, Crawlers, Skid-steer loaders and Motor graders. These oils can be used for chain drives and compressor crankcase lubrication.

DIMOL HYDRATECH HLP ZF

GRADE: ISO VG 32, 46, 68, 100

INTRODUCTION: DIMOL HYDRATECH HLP ZF comprise a range of high-performance hydraulic oils blended from solvent refined mineral oils and zinc free ashless additives. Good thermal and oxidative stability provide reliable and extended oil life in severe applications with minimal deposit formation that gives cleaner system and reduced frequency of filter changes. Also, these oils also have excellent water separation characteristics, hydrolytic stability and compatibly to seals normally used in hydraulic systems.

APPLICATION: DIMOL HYDRATECH HLP ZF are recommended for hydraulic systems requiring excellent anti-wear and superior oxidation performance with ultra-fine filtration and compatibly with elastomer materials. These oils can be used for chain drives and compressor crankcase lubrication. It is also being used in on and off-highway industries including: Trucking, Construction, Mining, Quarrying, and Agriculture.

DIMOL HYDRATECH R & O

GRADE: VG 32, 46, 57, 68, 81, 100, 150

INTRODUCTION: DIMOL HYDRATECH R & O are specially developed for circulating and hydraulic transmission system, and are manufactured from highly refined base stocks with high viscosity index. These oils are fortified with anti-oxidant, anti-corrosion, anti-wear, anti-rust and anti-foam additives.

APPLICATION: DIMOL HYDRATECH R & O are suggested for moderate hydraulic systems and wide variety of circulating systems of industrial equipment's.

DIMOL TURBINE OILS

GRADES: 32, 46, 57, 68, 100

INTRODUCTION: These oils are blended from highly refined base stocks and antioxidant, rust inhibitor and antifoam additives. They have excellent thermal stability and demulsibility properties.

APPLICATION: Recommended for lubrication of steam, gas and hydraulic turbines. It can be also used in Circulating systems, Anti-friction bearings, enclosed gears, Hydraulic units and other industrial applications.

DIMOL REFRIGERATION OILS

GRADE: VG 12, 22, 32, 46, 68, 100

INTRODUCTION: DIMOL REFRIGERATION OILS - possess very high fluidity at very low temperatures (low pour point) with low flock point, resist deposit formation; have good chemical stability with minimum tendency to foam. They also have good oxidation and thermal stability.

APPLICATION: DIMOL REFRIGERATION OILS - are recommended for lubrication of a wide range of refrigeration compressors of open, hermetically sealed and semi-sealed reciprocating and rotary type using conventional type refrigerants (except SO₂) at moderate thermal load. It is suitable for residential and commercial refrigeration and air conditioning systems.

DIMOL COMPRESSOR OILS

GRADES: 32, 46, 68, 100, 150, 220, 320

INTRODUCTION: DIMOL COMPRESSOR OILS - are blended from highly refined based stocks with antioxidant and rust inhibitor. They provide excellent lubrication under high temperature and high load conditions.

APPLICATION: DIMOL COMPRESSOR OILS - are recommended for cylinder lubrication of reciprocating compressors and rotary air compressor operating up to 220°C air discharge temperature. It can be used for vacuum pump, Circulating systems and Hydraulic systems.

DIMOL STEEL EP

GRADES: VG 100, 150, 220, 320, 460

INTRODUCTION: DIMOL STEEL EP are premium quality heavy duty bearing and circulating oils with excellent demulsibility characteristics, superior oxidation and thermal stability.

APPLICATION: DIMOL STEEL EP are recommended for use in rod mills and in the applications where severe load conditions are encountered. These oils can be used for chain drives and compressor crankcase lubrication.

DIMOL GEARTECH

GRADES: VG 68, 100, 150, 220, 320, 460, 680

INTRODUCTION: These Oils are blended from highly refined Base Stocks and are fortified with specially selected EP additives. They have good thermal stability and high oxidation resistance, good demulsibility, low foaming tendency and provide rust and corrosion protection to metal surfaces.

APPLICATION: These Oils are recommended for heavy duty enclosed Spur, Bevel, Helical, Herringbone and Planetary gear drives with Splash and Circulation systems and for Plain Bearings, sliding surfaces & Chain drives subjected to heavy shock loads where temperatures do not exceed 100°C.

DIMOL VACUUM

GRADE: VG 68, 100

INTRODUCTION: DIMOL VACUUM PUMP OILS are specially developed with highly refined base stock having low vapour pressure, low pour point and high flash point that enable the vacuum pumps to operate with optimum performance.

APPLICATION: DIMOL VACUUM PUMP OILS are recommended for high vacuum producing diffusion pumps.

DIMOL CIRCULATING OIL

GRADE: VG 22, 32, 46, 68, 100, 150, 220, 320, 460

INTRODUCTION: DIMOL CIRCULATING OILS are specially developed for circulating and hydraulic transmission system. They are manufactured from highly refined base stocks and Anti-oxidant, Anti-corrosion, Anti-wear and Anti-foam additives.

APPLICATION: DIMOL CIRCULATING OILS are suggested for moderate hydraulic systems and wide variety of circulating systems of industrial equipment's. These oils are also recommended for Splash, Bath and ring oiling systems of the bearings (both plain and anti-friction) and gears of industrial machinery that require a long-life lubricant. These oils can be used for chain drives and compressor crankcase lubrication.

DIMOL AXLE OIL

GRADE: 60 (Light), 80 (Medium), 100 (Heavy)

INTRODUCTION: These oils are blended from refined base stocks having good thermal and oxidation stability with required load bearing and anti-wear additives.

APPLICATION: These oils are recommended for use in plain bearings and axle boxes of locomotives and wagons required by Railways and Steel Plants.

DIMOL HEATEX FLUIDS

GRADES: VG 12, 22, 32, 100

INTRODUCTION: DIMOL HEATEX FLUIDS are specially selected mineral oils with good oxidation and thermal stability for use in Industrial Heat Transfer applications. These Oils possess low volatility and low vapour pressure to give a long and trouble-free service life in heat transfer systems.

APPLICATION: Grade 12 and 22 are recommended for use in well-designed closed heat transfer systems operating up to 260°C of temperature while Grade 32 and 100 are recommended for use up to 300°C of temperature. These products find extensive applications in Textile, Pharmaceuticals, Chemical and Other Processing Industries.

DIMOL GLASS MOULD OILS

GRADE: VG 10, 15, 22

INTRODUCTION: DIMOL GLASS MOULD OILS are glass mould oils used for demoulding of glass in glass bottles manufacturing process. These oils are blended from highly refined base oils and specially selected additives. They provide instant de-moulding performance with good surface finish to the moulded products without any colouration of the glasses. They are non-toxic and do not cause fumes during the process with unique property of inherent lubricity and low evaporation loss.

APPLICATION: DIMOL GLASS MOULD OILS can be applied by spraying or Swab and are recommended for different glassware and glass bottles etc.

DIMOL ALUMINIUM ROLLING OILS

GRADE: 80, 110

INTRODUCTION: DIMOL ALUMINIUM ROLLING OILS are premium quality, low viscosity straight mineral oil specially developed for cold rolling operation of aluminium sheets, strip and foils. Their narrow boiling ranges and high IBP reduce the rate of evaporation which brings down the consumption of oil (Roll Coolant) considerably. The inherent oiliness property reduces the friction to a greater extent and helps the metal reduction without any slippage. It is nonstaining, non-corrosive and has good additive solubility for fats and alcohols which are added by the manufacturers of aluminium for the advantage of smooth productions.

APPLICATION: DIMOL ALUMINIUM ROLLING OILS are recommended for cold rolling of Aluminium sheets, Strip and Foils.

DIMOL MARINE OIL

INTRODUCTION: DIMOL MARINE OIL Oils are blended from highly refined base stocks, containing Detergent, Dispersant, Anti Foam and Rust Inhibitor additives, and have good oxidation stability.

APPLICATION: Recommended for Main Trunk Piston Engine cylinders and medium speed marine Diesel Engine having combined crankcase and cylinder Lubrication and operating on Fuel up to 1.0% sulphur.

DIMOL MARINE TURBINE OIL

GRADES: 32, 68, 76

INTRODUCTION: These oils are blended from highly refined base stocks and antioxidant, rust inhibitor and antifoam additives. They have excellent thermal stability and demulsibility properties.

APPLICATION: Recommended for lubrication of marine turbines. It can be also used in Circulating systems, Anti-friction bearings, enclosed gears and Hydraulic units.

DIMOL MARINE HYD OIL

GRADE: ISO VG 15, 32, 46, 68 & 100

INTRODUCTION: DIMOL MARINE HYD oils are blended from Naphthenic Base Stocks containing Antioxidant, Anti-wear, Anticorrosion and antifoam additives.

APPLICATION: Recommended for use in Marine Hydraulic systems of steering Gears, Hatch Covers, Turbo Blowers Compressor Lubrication, etc.

DIMOL CONNING OIL

GRADES: 10

INTRODUCTION: DIMOL CONING OIL10 is emulsifiable oil and has been formulated from highly refined mineral oils and specially selected surface-active agents to provide appropriate antistatic property. This oil is non-staining, with good emulsion stability and excellent antistatic properties.

APPLICATION: DIMOL CONING OIL 10 is used for all texturizing / twisting / crimping operations for synthetic yarns. It is also used for softening and wetting of yarn during woollen, rayon cording and rayon conning operation.

DIMOL KNITTING OILS

GRADES: 12, 22, 32

INTRODUCTION: These knitting oils have been developed from high quality light-coloured mineral oils with excellent resistance to oxidation and fortified with special additives for imparting excellent property of scour ability along with anti-wear and antirust characteristics. Besides the above characteristics, these knitting oils have long service life without the generation of sludge and acid which increase the wear on the machines. These knitting oils also possess excellent non-foaming and unique lubricity characteristics.

APPLICATION: For making variety of hosiery fabrics, Automatic circular knitting machines are being used by modern knitting industry. In these automatic circular knitting machines, numerous fibres come through small guided holes from the top of the machine. The interloping of these fibres is carried out with the continuous movement of one fibre which moves horizontally in circular motion and a cylinder shaped “grey” cloth is produced. For the required lubrication of these machines, the knitting oils with viscosity grade, VG 12, 22 and 32 are recommended for this application.

DIMOL LOOM OIL

GRADE: N 22, 32, 46, 68, 100, 150, 220, 320, 460

INTRODUCTION: DIMOL LOOM OILS N are highly refined base oils have good inherent oxidation and thermal stability, non-corrosive properties.

APPLICATION: DIMOL LOOM OILS N are generally suggested for non-critical all loss lubrication systems of textile and other looms which do not require additive containing oils. These oils can also be used for other oiling applications of some equipment.

DIMOL TEXTILE MACHINERY OILS

GRADE: ISO VG 12, 22 & 32

INTRODUCTION: DIMOL TEXTILE OILS are recommended for the lubrication of high-speed spindles of Textile Mills and other Machine Tools as antistatic oil. These low viscosity spindle oils are manufactured from highly refined base stocks having excellent oxidation and rust stability and further fortified with oxidation and rust inhibitor, antistatic, anti-wear and antifoam agents for better performance.

APPLICATION: DIMOL TEXTILE OILS are used for high-speed spindles of Textile Mills and other Machine Tools where there is a need for antistatic oil with scorable characteristics.

DIMOL SPINDLE OIL

GRADE: 5,10,12,15,22

INTRODUCTION: DIMOL SPINDLE OILS are recommended for the lubrication of high-speed spindles of Textile Mills and Machine Tools. These low viscosity spindle oils are manufactured from highly refined base stocks having excellent oxidation and rust stability and further fortified with oxidation and rust inhibitor, anti-wear and antifoam agents for better performance.

APPLICATION: DIMOL SPINDLE OILS are used for high-speed spindles of Textile Mills and Machine Tools. These oils can also be used for spindle bearing, timing gears, centrifugal separators, positive displacement blowers and hydraulic systems of certain high precision machine tools.

DIMOL CUTTING OIL

INTRODUCTION: DIMOL cutting oil forms a Milky Emulsion with water and contains rust and corrosion Inhibitor and Biocide to prevent bacterial growth in emulsion systems. This Oil has superior Cooling and Lubricating properties, which minimizes tool wear.

APPLICATION: Recommended for a variety of Cutting Operations on ferrous and nonferrous metals, it is used for Grinding, Milling Drilling, Turning, Boring, Punching, Reaming, Broaching and Tapping operations. It is also used in machine tool industries like Radial drilling machine, Conventional lathe, CNC rotating tool holder, CNC machining centre, Angle shearing and vertical machining centre. It is recommended to use 4 – 6% concentrations for all types of operations.

DIMOL SEMI SYNTECH CUTTING OIL

GRADE: PROPRIETARY INTRODUCTION: DIMOL SEMI SYNTH CUTTING OIL is premium quality semi synthetic cutting oil for machining and grinding of ferrous and non – ferrous metal and alloys. It forms a translucent emulsion to provide a clear view of work piece and tools with extended tool life and improved finish of work piece. It resists bacterial attack to control the emulsion stability with excellent rust and corrosion protections. This semi synthetic coolant is ideal for individual and central sump system with low foaming tendency and dissipates heat faster.

APPLICATION: DIMOL SEMI SYNTH CUTTING OIL is excellent for the machining of all ferrous and non – ferrous metals and the applications include Grinding, Milling Drilling, Turning, Boring, Punching, Reaming, Broaching and Tapping. It is also used in machine tool industries like Radial drilling machine, Conventional lathe, CNC rotating tool holder, CNC machining centre, Angle shearing and vertical machining centres. It is recommended to use 3 – 5% concentrations for all types of operations.

DIMOL QUENCH OILS

GRADE: 22, SPECIAL 22, 32, SPECIAL 32, 68

INTRODUCTION: DIMOL QUENCH OILS are heat treatment oils blended from solvent refined base oils with specially selected additives that facilitate fast quenching through proper and controlled cooling, have outstanding chemical and oxidation stability. These oils also have excellent thermal properties, low volatility, high flash and fire points.

APPLICATION: DIMOL QUENCH OILS are used for different types of quenching operations on wide variety metallic parts. DIMOL QUENCH 22, DIMOL QUENCH 32 and DIMOL QUENCH 68 are straight mineral oil type quenching oils whereas DIMOL QUENCH SPECIAL 22 and DIMOL QUENCH SPECIAL32 are compounded type quenching oils for the hardening of Carbon steel, Gray iron and High-alloy steel. These oils are used in quenching of Nut bolts, Crank shafts, Bright bars, Tools, Automotive components and Industrial components.

DIMOL METAL DRAWING 15

GRADE: VG 320

INTRODUCTION: DIMOL METAL DRAWING 15 is manufactured from highly refined base stocks and specially selected additives to impart high wetting and excellent EP properties with good metal deactivation, anti-rust and anti-wear properties. This product has excellent load carrying ability which is encountered in metal drawing and is capable of stopping any wire leakage even with high-speed drawing.

APPLICATION: DIMOL METAL DRAWING 15 is suitable for metal wire drawing operation of ferrous and its alloys even with high speed.

DIMOL PROCESSING OIL

GRADE: VG 5

INTRODUCTION: DIMOL Processing Oil is a very light coloured and low viscosity oils with excellent lubricity characteristics for honing operations of all ferrous and nonferrous metals with good surface finish. This oil has excellent chip flushing, good heat carrying capacity and better visibility of work piece and tool, and provides long life to the honing stone.

APPLICATION: DIMOL Processing Oil is suitable for machining of operations, like Turning, Drilling, Tapping, Honing, Broaching and Boring of all ferrous and non-ferrous metals and their alloys where non-staining type light coloured and low viscosity oil is required.

BASE OIL

BASE OIL GROUP - I

GRADE: SN70, SN150, SN300, SN 500

These are highly refined base STOCKS available in Various Viscosity Range. These Oils are having excellent Chemical & Thermal Stability and having High Viscosity Index.

BASE OIL GROUP - II

GRADE: SN60, SN70, SN150, SN300, SN500

Group II Base Oils are classified as those which have saturates above 90%, have sulphur less than 0.03% (by weight) and VI between 80 to 120.

APPLICATION: These base oils are preferred in blending of Engine oils, Industrial and Specialty Lubricants, Neat Cutting oils, Transformer oil, Heat Transformer oil, Moulding oils even Process Oils where excellent oxidation and thermal stability are needed. Their water-white colour makes them readily acceptable by many industries, e.g., Textile, Colour, rubber- manufacturing, white moulded articles, etc. where stains are not acceptable.



OilChem
INDUSTRIES PVT. LTD.

Reg. Office : Plot No. 5/14, NCWI Zone,
Nargol Char Rasta, G.I.D.C., Sarigam (Gujarat) 396 155.
Contact us : +91 87801 03335
E-mail : info@oilchem.in • Website : www.oilchem.in