



Flow Solutions Division

HIGH PERFORMANCE SYNTHETIC LUBRICANTS

state of the art
lubricants,
engineered with
superior and
predictable
properties for
industrial
equipment

DuraClear™

DuraClear Air Tool Lubricant

DuraClear air tool lubricants are designed to provide longer life, and superior wear and rust protection for air tools. These formulations give improved lubrication at high and low temperatures, reduced volatility, and compatibility with mineral oils and equipment designed for use with mineral oils.

Flowserve Air Tool Lubricant Product Codes

DS-4617-15-F Pure Synthetic
DS-9017-15 Semi-Synthetic

DuraClear General Light Lubricant

DuraClear general light lubricant is a high quality, general purpose synthetic oil ideal for use when long time intervals exist between oil changeouts. This oil gives improved lubrication at high and low temperatures, reduced volatility, and compatibility with mineral oils and equipment designed for use with mineral oils. It is formulated with additives for rust and oxidation inhibition and anitwear. This lubricant meets federal requirements for incidental contact with food and is authorized by the USDA for use in federally inspected meat and poultry plants.

Flowserve General Light Lubricant Product Code

DS-4608-15-F Pure Synthetic

DuraClear Synthetic Grease

DuraClear grease is based on a special type of calcium complex thickener, which is very effective in the presence of water. It is capable of absorbing moderate levels of water without softening or changing consistency and still provides outstanding rust protection. These unusual properties are enhanced by EP multipurpose high temperature capability. The white color makes it ideal where cleanliness and non-staining properties are desired.

Flowserve Grease Product Code

DS-920 OG Semi-Synthetic

The information and specifications presented in this product brochure are believed to be accurate, but are supplied for information purposes only and should not be considered certified or as a guarantee of satisfactory results by reliance thereon. Nothing contained herein is to be construed as a warranty or guarantee, express or implied, with respect to the product. Although Flowserve Corporation can provide general application guidelines, it cannot provide specific information for all possible applications. The purchaser/user must therefore assume the ultimate responsibility for the proper selection, installation, operation and maintenance of Flowserve products. Because Flowserve Corporation is continually improving and upgrading its product design, the specifications, dimensions and information contained herein are subject to change without notice.

For Additional Information

Kalamazoo, Michigan USA
Phone 616-381-2650
Fax 616-381-8368

www.flowserve.com

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THE RESULT OF YEARS OF TRIBOLOGICAL EXPERIENCE AND TESTING AT FLOWSERVE AND INDEPENDENT LABORATORIES

DuraClear Mechanical Seal Barrier Fluids

Pure synthetics and blends available for all double and tandem mechanical seal applications. These non-toxic, food grade barrier fluids are compatible with virtually all process fluids and will greatly reduce the energy consumption and increase the mean time between planned maintenance of your pump or mixer. Viscosities from 5 cSt (ISO) to 32 cSt are available for all temperature ranges.

Flowserve Barrier Fluid Product Codes

DS-4609-7-F Synthetic Blend
DS-4614-5-F Pure Synthetic
DS-4614-32-F High Temperature Pure Synthetic

DuraClear Bearing Frame Oils

Bearing frame oils blended to provide better protection, longer changeout intervals, and cleaner, cooler operation of the power end of your rotating equipment. Viscosities of 32 cSt and 68 cSt are available to cover the range of bearing types and operating temperatures encountered.

Flowserve Bearing Frame Oil Product Codes

DS-Para 4-32 Synthetic Blend
DS-Para 4-68 Synthetic Blend

DuraClear Gear Oils

DuraClear gear oils have proved in extensive field evaluations to give extended service life, friction and horsepower reduction, wear reduction, extreme temperature application, and overall economic benefits. These super refined hydrocarbons combine high viscosity indices with high film strength and excellent mechanical shear resistance even in heavily loaded gear applications. Additives provide superior oxidative stability, corrosion protection, and load carrying capability. Food grades are available which meet FDA and USDA requirements.

Flowserve Gear Oil Product Codes

DS-4617-150-F, 220-F, 320-F, and 460-F Pure Synthetic
DS-9037-150, 220, and 320 Semi-Synthetic

DuraClear synthetic lubricants offer these advantages over conventional oils and greases

Reduced friction and wear

Oxidation resistance and high temperature stability

Low temperature fluidity and lubrication

Chemically inert and compatible with most process fluids

Low volatility and hydrolytic stability

Less sludge and varnish build-up

Longer life means fewer drain intervals, less lubricant disposal

Reduced lubricant consumption

Reduced energy consumption

Environmentally safe

Non-toxic, non-hazardous,

Food grades readily available

Flowserve offers a complete line of synthetics to greatly increase the life and reduce the downtime of all your industrial equipment.

DuraClear Hydraulic Oils

A wide range of pure and semi-synthetic hydraulic oils are available for hydraulic systems using vane, piston, or gear type pumps. They are custom blended synthetic hydrocarbon oils giving improved lubrication at high and low temperatures, reduced volatility, and compatibility with mineral oils and equipment designed for use with mineral oils. They are formulated with additives for rust and oxidation inhibition and antiwear. These products are premium antiwear hydraulic oils developed for use in all high output and conventional hydraulic systems. Their high quality base fluids and superior additive systems meet or exceed the performance level of other premium AW hydraulic oils.

DuraClear hydraulic oils are available which meet federal requirements for incidental contact with food and are authorized by the USDA for use in federally inspected meat and poultry plants.

Flowserve Hydraulic Oil Product Codes

DS-4608-32-F, 46-F, and 68-F Pure Synthetic
DS-9000-32, 46, and 68 Semi-Synthetic

DuraClear Compressor Oil

DuraClear process gas compressor oil is a custom blended synthetic hydrocarbon fluid giving improved lubrication at high and low temperatures, reduced volatility, chemical inertness, hydrolytic stability, and compatibility with mineral oils and equipment designed for use with mineral oils. This fluid minimizes contamination of the gas stream and minimizes vapor phase carryover.

Flowserve Compressor Oil Product Codes

DS-4600-68 Pure Synthetic Process Gas
DMS-4 Synthetic Blend Rotary Screw

DuraClear Turbine Oils

DuraClear gas turbine oils are custom formulated lubricants designed for long life under the severe, demanding conditions normally encountered in gas turbines and centrifugal compressors. These products combine the advantages of synthetic and restructured hydrocarbon oil which results in performance beyond conventional mineral and other synthetic oils. Among these are oxidative, thermal, hydrolytic, and viscosity stability, low sludge tendency, rust and corrosion inhibition, long life and, therefore, low equipment maintenance costs.

Flowserve Turbine Oil Product Codes

DS-Turbo-4-32, 46, and 68 Synthetic Blend