



THE SYNTHETIC EXPERT

The industrial and racing markets associate outstanding quality and superior performance with Royal Purple. This reputation has been earned through Royal Purple's relentless pursuit of excellence in lubrication.

Royal Purple formulates the most advanced lubricants available on the market today. If you currently use Royal Purple's products, you already know this. If you do not, they offer the opportunity to greatly improve the reliability and efficiency of your equipment and to lower your operating costs.

SUPERIOR PRODUCTS, SUPERIOR PERFORMANCE

Lubricants are typically viewed as a commodity, where low price and service issues dominate purchase decisions. Therefore, oil companies seeking large market share have a great incentive to keep manufacturing costs low and little incentive to upgrade lubricant quality.

Royal Purple recognizes that lubricants are not a commodity. Reliable operation of rotating equipment critically depends upon the quality of the lubricant used. Lubricant performance directly and significantly affects how long, how reliable, how efficient and at what cost (i.e. parts, labor, downtime, number of oil changes and energy costs) your equipment will operate. Therefore, Royal Purple will always provide you with the highest quality lubricants available anywhere.

ROYAL
PURPLE[®]
SYNTHETIC OIL

LUBRICATION GUIDE



PULP & PAPER

For additional product offerings and applications, check out our sister companies listed below:



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SYNTHETIC OIL

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PULP & PAPER

INDUSTRIAL LUBRICANT APPLICATIONS



PAPER MACHINE LUBRICATION

LOCATION & EQUIPMENT	RECOMMENDED LUBRICANT	VISCOSITY GRADE	NGLI GRADE	BASE OIL VISCOSITY	PRODUCT NUMBER
Oil Lube System	Synfilm® GT	150 / 220			301982 / 301477
Grease Applications	Paper Mill Grease		1.5	244	301965
Gear Applications	Synergy®	Various			Contact Technical Service
	Synfilm® GT	Various			Contact Technical Service
	Thermyl-Glyde®	Various			Contact Technical Service

TURBINE LUBRICATION

LOCATION & EQUIPMENT	RECOMMENDED LUBRICANT	VISCOSITY GRADE	PRODUCT NUMBER
Steam Turbines	Synfilm® GT	32 / 46 / 68	301985 / 301987 / 301013
Gas Turbines	Synfilm® GT	32	301985
Turbine Hydraulic Controls	Marine Hydraulic (zinc free)	32 / 46 / 68	301887 / 301431 / 300966
	Syndraulic®	32 / 46 / 68	301470 / 301265 / 301471
Turbine Lift Gears	Synfilm® GT	Various	Contact Technical Service
	Thermyl-Glyde®	Various	Contact Technical Service

BEARING LUBRICATION

LOCATION & EQUIPMENT	RECOMMENDED LUBRICANT	VISCOSITY GRADE	NGLI GRADE	BASE OIL VISCOSITY	PRODUCT NUMBER
API/ANSI Process Pumps	Synfilm®	46 / 68 / 100			301267 / 301474 / 301974
	Synfilm® GT	46 / 68 / 100			301987 / 301013 / 301981
General Purpose	Paper Mill Grease		1.5	244	301965
General Purpose	Endurosyn®		2	150	301467
	Ultra Performance® Grease		2	150	301961
Fans	Ultra Performance® Grease		2	150	301961
	Synfilm® GT	Various			Contact Technical Service
Blowers	Synfilm® GT	150 / 220			301982 / 301477
Electric Motors (Greased Bearings)	Endurosyn®		2	150	301467
	Ultra Performance Grease		2	150	301961
Electric Motors (Oil Lubricated)	Synfilm®	32 / 46			301473 / 301267
	Synfilm® GT	32 / 46			301985 / 301987
Low RPM/Heavily Loaded Bearings	Thermax™ 680		2	680	301465
Calender Roll Bearings	Paper Mill Grease		1.5	244	301965
NSF® H1 Food Grade Use	Poly-Guard® FDA	32 / 46			300912 / 300912

CHAIN & OPEN GEAR LUBRICATION

LOCATION & EQUIPMENT	RECOMMENDED LUBRICANT	VISCOSITY GRADE	PRODUCT NUMBER
Chains	MaxChain®	Various	Contact Technical Service
Open Gears	Thermyl-Tuff®	Various	Contact Technical Service

COUPLING LUBRICATION

LOCATION & EQUIPMENT	RECOMMENDED LUBRICANT	NGLI GRADE	BASE OIL VISCOSITY	PRODUCT NUMBER
Drive Couplings	Coupling Grease™	1	2995	301962

COMPRESSOR & VACUUM PUMP LUBRICATION

LOCATION & EQUIPMENT	RECOMMENDED LUBRICANT	VISCOSITY GRADE	PRODUCT NUMBER
Vacuum Pumps	Synfilm® GT	150 / 220	301982 / 301477
Rotary Screw Compressors	Synfilm®	46 / 68	301267 / 301474
Reciprocating Compressors (Air)	Synfilm® Recip	100 / 150	301996 / 301997
Centrifugal Compressors	Synfilm®	46 / 68 / 100	301267 / 301474 / 301974
	Synfilm® GT	46 / 68 / 100	301987 / 301013 / 301981
NFS® H1 Food Grade Use	Poly-Guard® FDA	Various	Contact Technical Service

GEAR LUBRICATION

LOCATION & EQUIPMENT	RECOMMENDED LUBRICANT	VISCOSITY GRADE	PRODUCT NUMBER
Gearboxes - Spur, Helical, Herringbone Gears	Synergy®	150 / 220 / 320	301488 / 302001 / 302002
	Thermyl-Glyde®	220 / 320	301017 / 301499
Worm Gearboxes	Synergy® Worm Gear	680	301492
	Synfilm® GT	460 / 680	301270 / 301989
	Thermyl-Glyde® Worm Gear	460 / 680	301502 / 301018
Environmentally Acceptable Lube Areas/Gears	BioMax™ EAL Gear Oil	150 / 220 / 320	301865 / 301307 / 300959
Cooling Tower Gearboxes	Synfilm® GT	220 / 320	301477 / 301478
NSF® H1 Food Grade Use	Poly-Guard® FDA	150 / 220 / 320	301250 / 301511 / 301941

BARRIER FLUIDS MECHANICAL SEALS LUBRICATION

LOCATION & EQUIPMENT	RECOMMENDED LUBRICANT	VISCOSITY GRADE	PRODUCT NUMBER
Dual Mechanical Seal, Nitrogen Purge & Sealed System	Barrier Fluid® FDA	Various	Contact Technical Service
Dual Mechanical Seal, No Nitrogen Purge & Open System	Barrier Fluid® GT	Various	Contact Technical Service

ROLLING STOCK LUBRICATION

LOCATION & EQUIPMENT	RECOMMENDED LUBRICANT	VISCOSITY GRADE	NGLI GRADE	BASE OIL VISCOSITY	PRODUCT NUMBER
Wood Yard Dozers/Excavators	High Performance HD/Duralec® Super	SAE 15W-40			301902 / 300905
Fleet Vehicles	High Performance HD/Duralec® Super	SAE 15W-40			301902 / 300905
Fork Lifts/Loaders/Skid Steers	High Performance HD/Duralec® Super	SAE 15W-40			301902 / 300905
Rolling Stock Hydraulic Systems	Syndraulic®	Various			Contact Technical Service
Greased Bearing Applications	Endurosyn®		2	150	301467
	Ultra Performance® Grease		2	150	301961

SPECIALTY & GENERAL MAINTENANCE LUBRICATION

LOCATION & EQUIPMENT	RECOMMENDED LUBRICANT	VISCOSITY GRADE	PRODUCT NUMBER
Equipment Rebuild & Pump Shop	Max-Tuff® Assembly Lube	N/A	301451
General Purpose Lubricant/Penetrating Oil	Maxfilm®	N/A	301434 / 500262 (Aero)
Pumps, Blowers, Gear Boxes in Storage	VP™ Preservative Oil 10	N/A	301506
Air Tools & Air Line Lubricant	Synfilm®	32	301473