

THE SYNTHETIC EXPERT

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

Royal Purple Industrial formulates the most advanced lubricants available on the market today. If you currently use Royal Purple Industrial'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 Industrial 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 Industrial will always provide you with the highest quality lubricants available anywhere.



LUBRICATION GUIDE



PULP & PAPER



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PULP & PAPER

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			RPMP030/RPMP031
Grease Applications	Paper Mill Grease		1.5	244	RPGR003
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	RPMP022/RPMP024/RPMP026
Gas Turbines	Synfilm® GT	32	RPMP022
Turbine Hydraulic Controls	Marine Hydraulic (zinc free)	32 / 46 / 68	RPHY006/RPHY007/RPHY008
	Syndraulic®	32 / 46 / 68	RPHY009/RPHY010/RPHY011
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			RPMP014/RPMP015/RPMP017
	Synfilm® GT	46 / 68 / 100			RPMP024/RPMP026/RPMP028
General Purpose	Paper Mill Grease		1.5	244	RPGR003
General Purpose	Enduro-MP™ Grease		2	150	RPGR002
	Ultra-Performance™ Grease		2	150	RPGR007
Fans	Ultra-Performance™ Grease		2	150	RPGR007
	Synfilm® GT	Various			Contact Technical Service
Blowers	Synfilm® GT	150 / 220			RPMP030/RPMP031
Electric Motors (Greased Bearings)	Enduro-MP™ Grease		2	150	RPGR007
	Ultra-Performance™ Grease		2	150	RPGR007
Electric Motors (Oil Lubricated)	Synfilm®	32 / 46			RPMP012/RPMP0124
	Synfilm® GT	32 / 46			RPMP022/RPMP024
Low RPM/Heavily Loaded Bearings	Thermax™ 680		2	680	RPGR005
Calender Roll Bearings	Paper Mill Grease		1.5	244	RPGR003
NSF® H1 Food Grade Use	Poly-Guard® FDA	32 / 46			RPMP002/RPMP003

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	RPGR001

COMPRESSOR & VACUUM PUMP LUBRICATION			
LOCATION & EQUIPMENT	RECOMMENDED LUBRICANT	VISCOSITY GRADE	PRODUCT NUMBER
Vacuum Pumps	Synfilm® GT	150 / 220	RPMP030/RPMP031
Rotary Screw Compressors	Synfilm®	46 / 68	RPMP014/RPMP015
Reciprocating Compressors (Air)	Synfilm® Recip	100 / 150	RPCP014/RPCP015
Centrifugal Compressors	Synfilm®	46 / 68 / 100	RPMP014/RPMP015/RPMP017
	Synfilm® GT	46 / 68 / 100	RPMP024/RPMP026/RPMP028
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	RPGL008/RPGL009/RPGL010
	Thermyl-Glyde®	220 / 320	RPGL016/RPGL017
Worm Gearboxes	Synergy® Worm Gear	680	RPGL013
	Synfilm® GT	460 / 680	RPMP035/RPMP036
	Thermyl-Glyde® Worm Gear	460 / 680	RPGL022/RPGL023
Cooling Tower Gearboxes	Synfilm® GT	220 / 320	RPMP031/RPMP033
NSF® H1 Food Grade Use	Poly-Guard® FDA	150 / 220 / 320	RPMP006/RPMP007/RPMP008

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
Rolling Stock Hydraulic Systems	Syndraulic®	Various			Contact Technical Service
Greased Bearing Applications	Enduro-MP™ Grease		2	150	RPGR002
	Ultra-Performance™ Grease		2	150	RPGR007

SPECIALTY & GENERAL MAINTENANCE LUBRICATION			
LOCATION & EQUIPMENT	RECOMMENDED LUBRICANT	VISCOSITY GRADE	PRODUCT NUMBER
Equipment Rebuild & Pump Shop	Max-Tuff™	N/A	RPAL000
General Purpose Lubricant/Penetrating Oil	Maxfilm®	N/A	RPAL000
Pumps, Blowers, Gear Boxes in Storage	VP™ Preservative Oil 10	N/A	RPCI000
Air Tools & Air Line Lubricant	Synfilm®	32	RPMP012