

XPR (EXTREME PERFORMANCE SYNTHETIC RACING OIL)



Royal Purple XPR (Extreme Performance Racing) oils are recommended for use in various racing applications, and are popular in a variety of motorsports including: NASCAR, NHRA, World of Outlaws and Bonneville Salt Flats.

Performance Advantages

- Greater wear protection on startup
- Increased horsepower
- Extends equipment life
- Compatible with mineral and synthetic oils
- Non-foaming
- Outstanding rust / corrosion protection
- High temperature service capability
- XPR works extremely well with exotic fuels, such as alcohol, methanol and nitrous oxide (N2O)

Recommendation by Viscosity

- **XPR 3.1 0W-5** is the lowest viscosity racing motor oil designed for the most competitive classes such as Pro Stock, Pro Stock Bike, Comp Eliminator and NASCAR Cup (qualifying). The ultra-low viscosity provides the most horsepower possible by keeping parasitic losses to an absolute minimum while providing unparalleled protection.
- **XPR 0W-10** is an ultra-light viscosity racing motor oil formulated for use in drag racing, motorcycle sprint racing, etc.
- **XPR 5W-20** is a light viscosity racing motor oil that is excellent for drag racing.
- **XPR 5W-30** works well in a variety of applications from oval track late models to bracket racing. It is extremely versatile and produces excellent horsepower while preventing wear.
- **XPR 10W-40** is designed for marine, oval track and endurance car racing. Capable of withstanding long intervals of extreme heat, it is extremely popular in sprint cars, late models and World of Outlaws racing.
- **XPR 10W-60** is specifically formulated to increase horsepower and torque in high performance modified and racing engines.
- **XPR 20W-50** is formulated for running extended periods under extreme pressure and heat. It is used in oval track, marine and drag racing and is very popular in sprint cars, late models, truck pullers and bracket racing.

XPR — TYPICAL PROPERTIES*

ASTM TESTS		3.1	0W-10	5W-20	GRADE			
					5W-30	10W-40	10W-60	20W-50
D445	Viscosity							
	cSt @ 40°C	11.7	27.1	36.4	61.2	82.5	170.4	154.2
	cSt @ 100°C	3	5.5	6.8	10.1	13.2	24.3	20.2
D2270	Viscosity Index	111	144	147	153	161	174	152
D2896	TBN, mg KOH/g	—	11.2	11.3	11.3	11.4	11.2	11.1
D664	TAN, mg KOH/g	6.8	—	—	—	—	—	—
D5293	Cold Crank Simulator							
	cP @ -35°C	—	2,813	—	—	—	—	—
	cP @ -30°C	—	—	2,743	5,298	—	—	—
	cP @ -25°C	—	—	—	—	3,641	6,106	—
	cP @ -20°C	—	—	—	—	—	—	—
	cP @ -15°C	—	—	—	—	—	—	3,217
	cP @ -10°C	—	—	—	—	—	—	—
	cP @ -05°C	—	—	—	—	—	—	—
D93	Flash Point °F	330	395	404	385	410	424	424

* Properties are typical and may vary.

