



# TECHNICAL DATA SHEET

## XPR®

### EXTREME PERFORMANCE RACING MOTOR OIL

#### Product Description

Royal Purple® XPR® is engineered to meet the rigorous demands and severe operating conditions of racing and extreme-performance engines. Formulated with premium base oils, advanced Synerlec® technology, and elevated levels of ZDDP (zinc dialkyldithiophosphate), XPR® delivers exceptional wear protection and maximized engine performance under the most demanding conditions.

Recommended for gasoline and light duty diesel engines—including turbocharged, supercharged, and naturally aspirated applications—XPR® is compatible with exotic racing fuels and is ideally suited for modified and competition vehicles in motorsports environments. Its outstanding oxidation resistance and film strength provide outstanding protection in high-temperature, high-pressure conditions, helping maintain peak engine performance when it matters most. XPR® is also appropriate for use in street driven gasoline and light duty diesel vehicles, however it is not suitable for use in motorcycle or wet clutch applications.

Choose Royal Purple® XPR® for superior wear protection and uncompromising performance in high-performance and racing applications.

#### PERFORMANCE ADVANTAGES

- OUTSTANDING WEAR PROTECTION – Industry leading anti-wear performance that provides protection and reduces metal to metal contact in your engine
- MAXIMIZED ENGINE PERFORMANCE – Greater lubricity and low coefficient of friction ensure maximum engine performance
- EXCEPTIONAL OXIDATION STABILITY – Slows the breakdown of oil to provide long lasting protection
- SUPERIOR HIGH-TEMP. PERFORMANCE - Synthetic base oils and advanced additive technology resist thermal degradation
- GREATER CLEANLINESS - Advanced synthetic solvency reduces engine deposits and keeps engines clean

#### PRODUCT DATA

Property	Test Method	Typical Properties									
		XPR 0W-8	XPR 0W-20	XPR 5W-20	XPR 0W-30	XPR 5W-30	XPR 5W-40	XPR 10W-40	XPR 5W-50	XPR 20W-50	XPR 10W-60
KV40, cSt	ASTM D445	23.77	44.64	46.72	60.39	59.6	77.64	95	98.81	151.6	168.7
KV100, cSt	ASTM D445	5.03	8.38	8.25	10.95	10.12	13.61	14.74	16.72	18.98	23.33
Viscosity Index	ASTM D2270	144	166	152	175	158	180	162	184	142	168
Cold Crank Simulator (CCS) cP	ASTM D5293	2170 (-35C)	5536 (-35C)	4938 (-30C)	5837 (-35C)	5327 (-30C)	4654 (-30C)	5821 (-25C)	5305 (-30)	5345 (-15C)	6643 (-25C)
TBN, mg KOH / g	ASTM D2896	7.3	7.3	7.48	7.33	7.38	7.31	7.34	7.38	7.39	7.32
Density, lb/gal	ASTM D4052	6.93	7.06	7.09	6.92	7.09	7.01	7.12	7.02	7.21	7.08
Pour Point, C	ASTM D97	-59	-45	-39	-46	-36	-57	-33	-57	-30	-48
Flash Point, F	ASTM D92	440	444	444	444	444	450	454	440	440	474

**Distributed By:**  
 Calumet Branded Products, LLC  
 1060 N Capitol Ave  
 Suite 6-401  
 Indianapolis, IN 46204  
 Technical Services: 888-382-6300  
 www.royalpurple.com

To the best of our knowledge, the information contained herein is accurate, but is given without warranty or guarantee. We assume no liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any information or material for the use contemplated, the name in use and whether there is any infringement of patents is the sole responsibility of the user.

All trademarks are owned by one or more affiliates within the Calumet, Inc. organization, unless otherwise specified.

The color purple is a registered trademark of Calumet Branded Products, LLC.

© 2026 Calumet Inc. All Rights Reserved.

4/3/2026