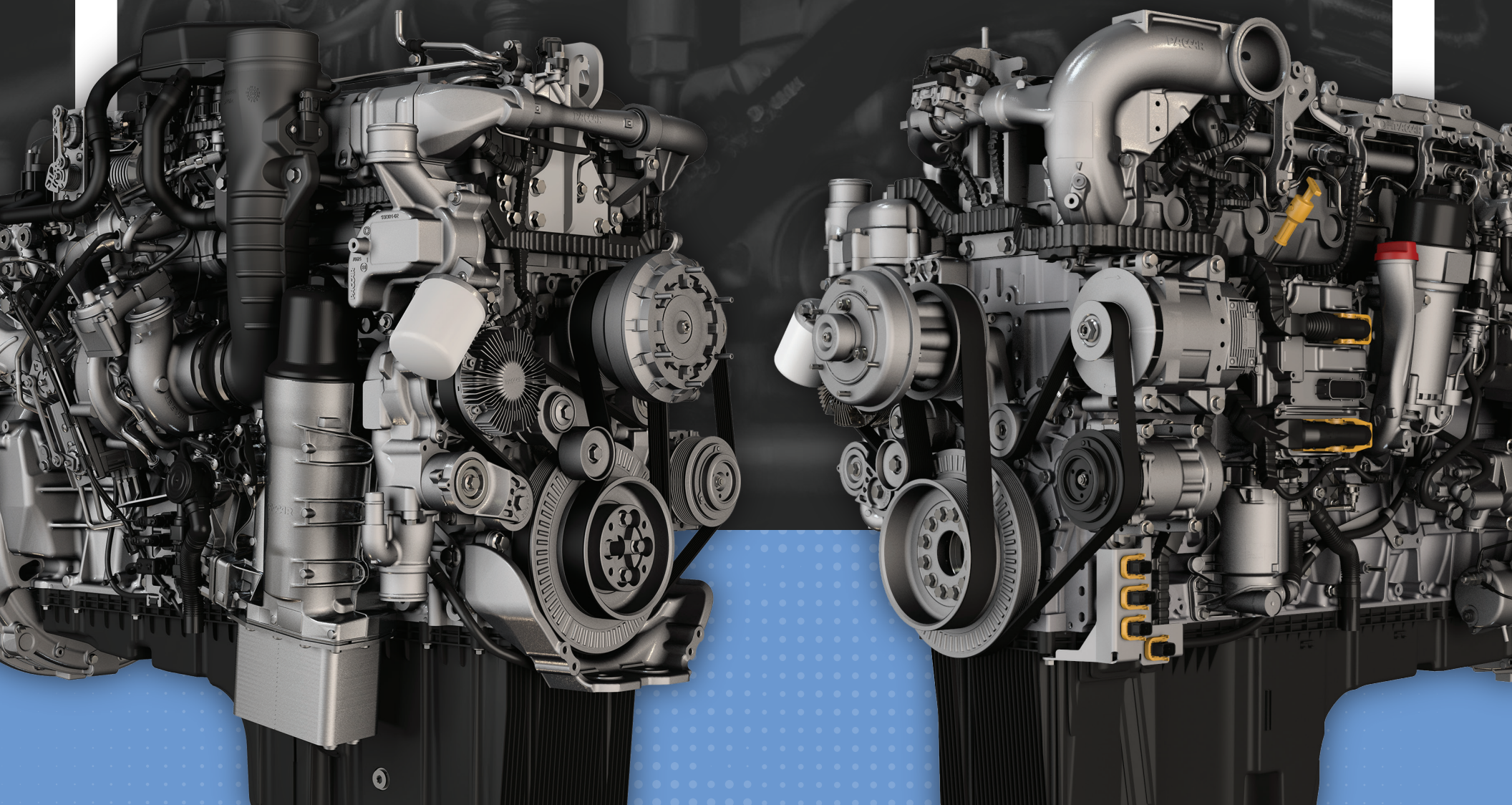


MX-11 MX-13

MX ENGINE BROCHURE





THE POWER TO MOVE YOUR BUSINESS AHEAD



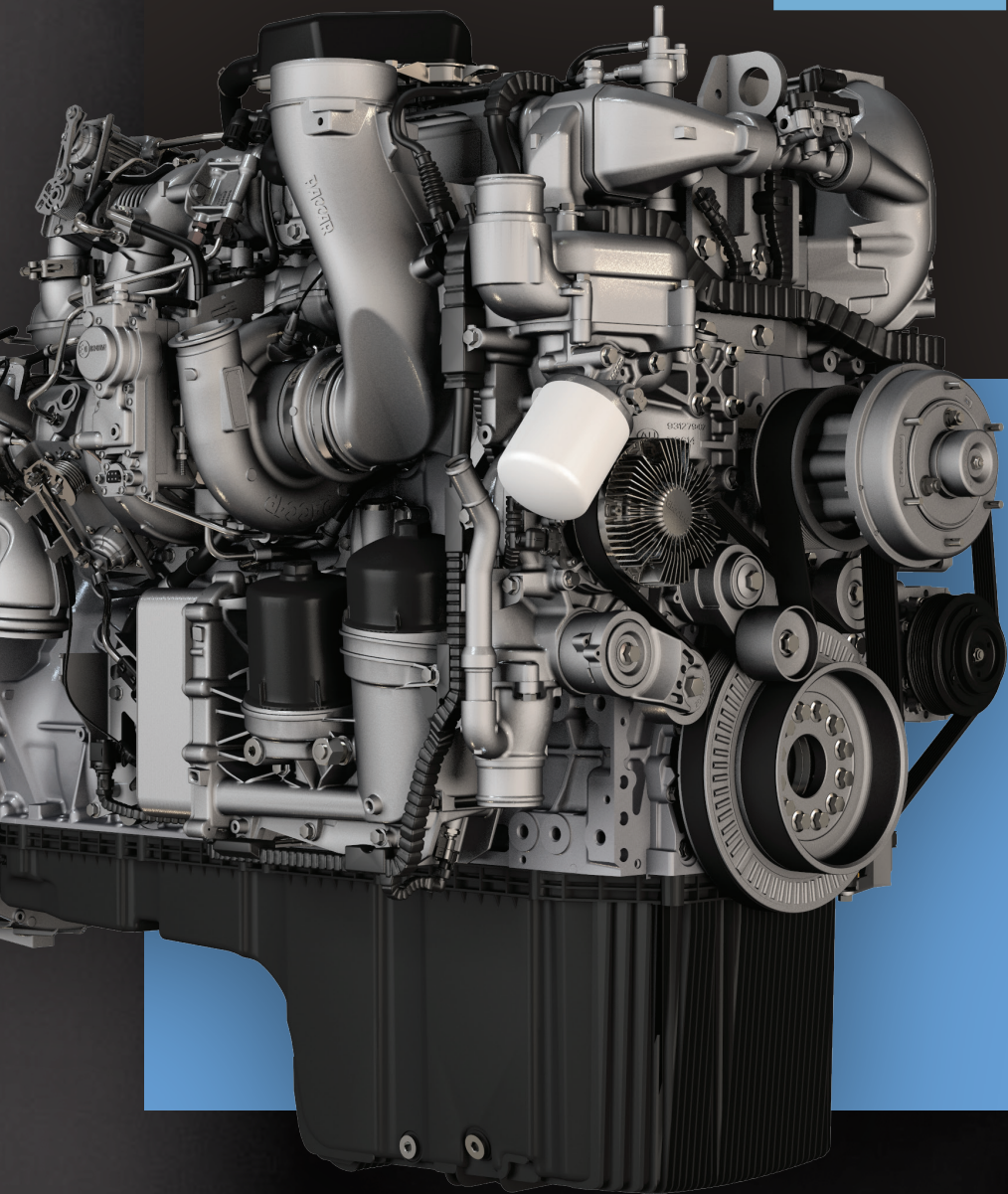
ENGINEERED AND BUILT TO GO THE DISTANCE

Your investment in a PACCAR Engine can be one of the most profitable decisions you ever make in running trucks – offering substantial benefits in power, fuel efficiency, longevity, uptime, ease of service and driver satisfaction.

Engineered and built to go the distance, the PACCAR Engine platform employs advanced materials and innovative design features that result in unprecedented reliability, extended service cycles and a B10 design life of one million miles.

Optimized for seamless performance with the PACCAR Transmission and PACCAR Axles, the PACCAR Engine guarantees a smooth operating, high-performance powertrain of unmatched capability.

Best of all, the PACCAR Engine comes with the ironclad support of PACCAR, a global company with over 110 years of meticulous engineering, continuous innovation and manufacturing excellence.



MX-13

ALL THE POWER YOU NEED IN A DURABLE, PRODUCTIVE, HIGH-PERFORMANCE SOLUTION

For demanding applications, heavy or highway hauling, the 12.9 liter PACCAR MX-13 engine offers all the power and durability you need to move maximum loads more productively. The PACCAR MX-13 delivers consistent power and torque across a wide operating range — up to 510 horsepower with 1,850 lb.-ft. of torque. Fine-tuned to your precise operating requirements, this engine gives you more flexibility, more low-end power, higher fuel efficiency and a greatly enhanced driving experience.

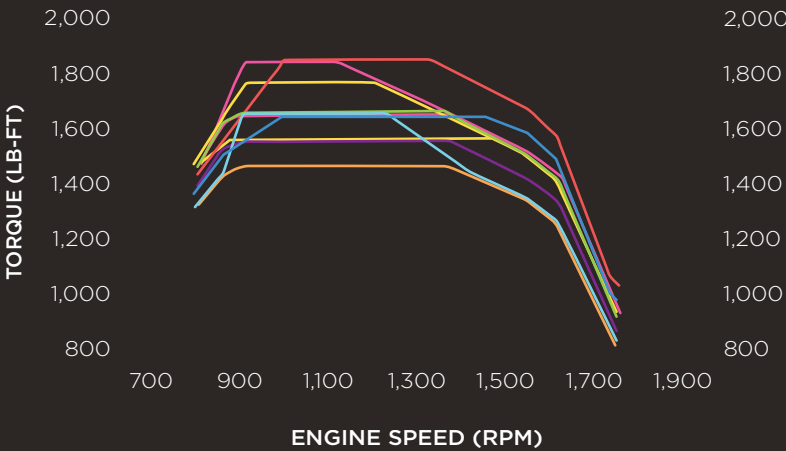
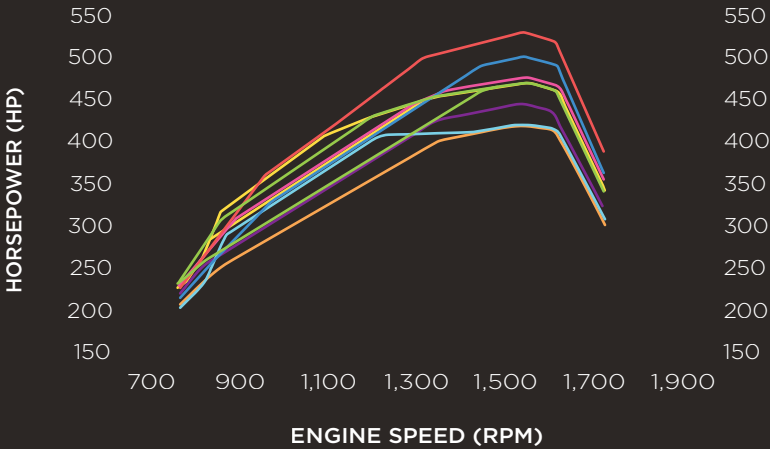
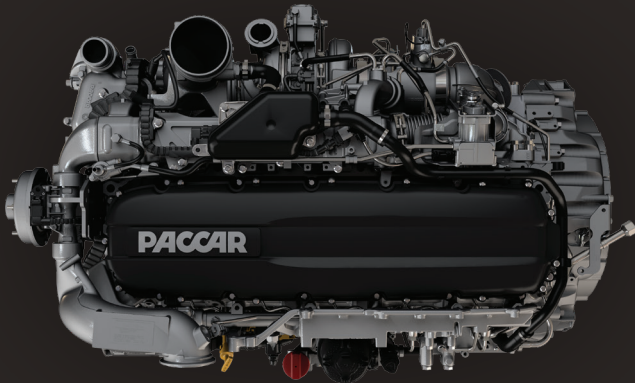
SPECIFICATIONS

CONFIGURATION	Inline 6-Cylinder
BORE X STROKE (MM)	130x162
DISPLACEMENT	12.9 Liters
DRY WEIGHT	2,600 LBS.
OIL SYSTEM CAPACITY	42 U.S. Quarts
HORSEPOWER	405-510 HP
PEAK TORQUE	1,450-1,850 LB.-FT.
GOVERNED SPEED	2,200 RPM
CLUTCH ENGAGEMENT TORQUE ²	937 LB.-FT. @ 800 RPM
B10 DESIGN LIFE	1M MILES/1.6M KM
BASE WARRANTY ³	2 Yrs/250K Miles/400K KM

² Determined By Engine Horsepower and Idle Setting
³ Extended Protection Plans Available

	PEAK HORSEPOWER	PEAK TORQUE (LB-FT @ RPM)	
RATINGS	510	1,850 @ 1,000	
	485	1,650 @ 1,000	
	455MT	1,650/1,850 @ 900 ¹	
	455MT	1,550/1,750 @ 900 ¹	
	455	1,650 @ 900	
	430	1,550 @ 900	
	405	1,650 @ 900	
	405	1,450 @ 900	

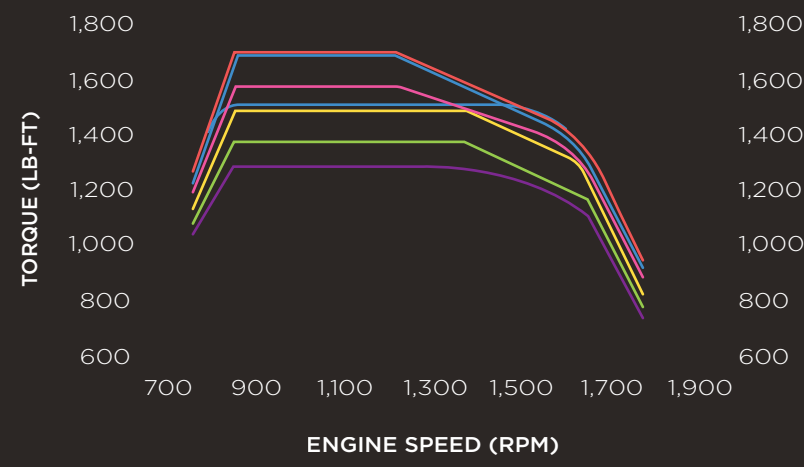
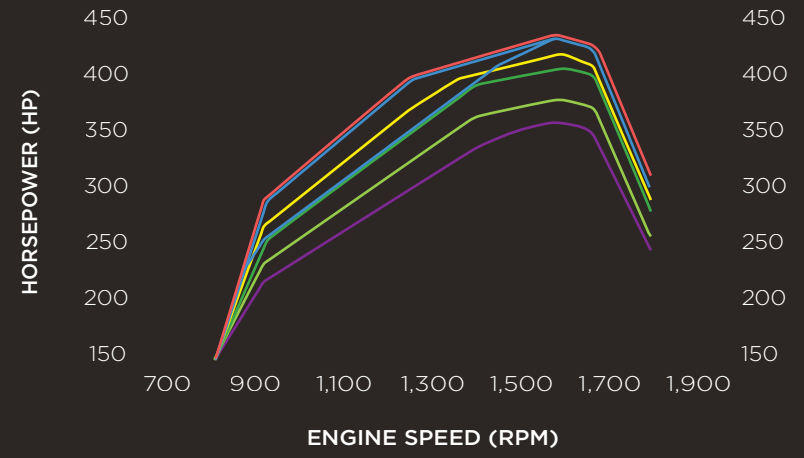
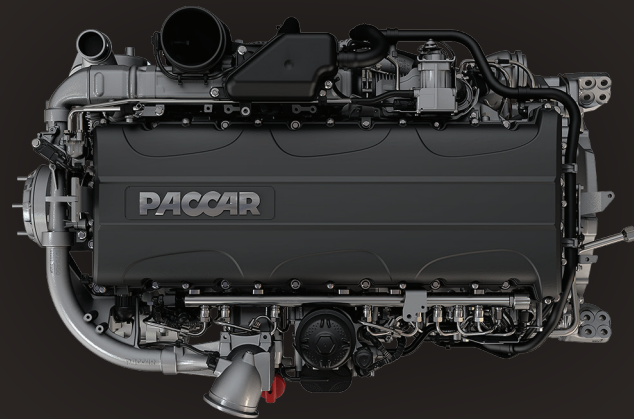
¹Multi Torque Rating



RATINGS

PEAK HORSEPOWER	PEAK TORQUE (LB-FT @ RPM)	
430	1,650 @ 900	
430MT	1,450/1,650 @ 900 ¹	
415	1,550 @ 900	
400	1,450 @ 900	
375	1,350 @ 900	
355	1,250 @ 900	

¹ Multi Torque Rating



YOUR WORKHORSE-TOUGH STRATEGY TO MAXIMIZING PAYLOAD AND RELIABILITY

The next time you look for a truck to make a positive difference in your bottom line, start with one powered by a PACCAR MX-11 engine. With up to 430 horsepower and 1,650 lb.-ft. of torque at just 900 RPM, this 10.8-liter engine greatly enhances performance, responsiveness and driveability. All, while reducing tare weight by more than 400 pounds compared to a 13 liter engine. Which means more payload per trip, improved operating efficiency, excellent fuel economy and more revenue. Perfect for the demands of regional haul, tanker, bulk haul, construction, and refuse.

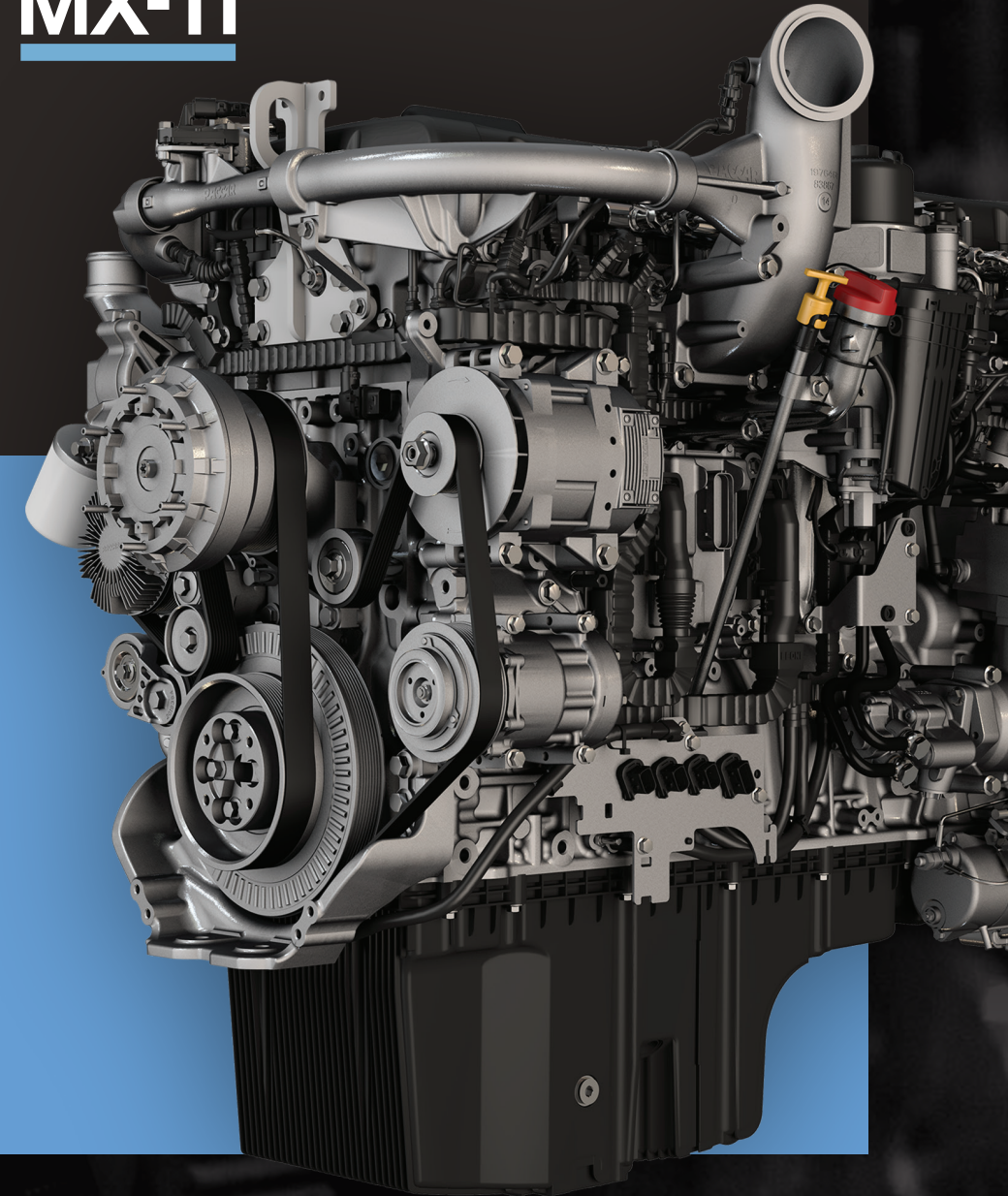
SPECIFICATIONS

CONFIGURATION	Inline 6-Cylinder
BORE X STROKE (MM)	123x152
DISPLACEMENT	10.8 Liters
DRY WEIGHT	2,200 LBS.
OIL SYSTEM CAPACITY	39 U.S. Quarts
HORSEPOWER	355-430 HP
PEAK TORQUE	1,250-1,650 LB.-FT.
GOVERNED SPEED	2,200 RPM
CLUTCH ENGAGEMENT TORQUE ²	737 LB.-FT. @ 800 RPM
B10 DESIGN LIFE	1M MILES/1.6M KM
BASE WARRANTY ³	2 Yrs/250K Miles/400K KM

² Determined By Engine Horsepower and Idle Setting

³ Extended Protection Plans Available

MX-11

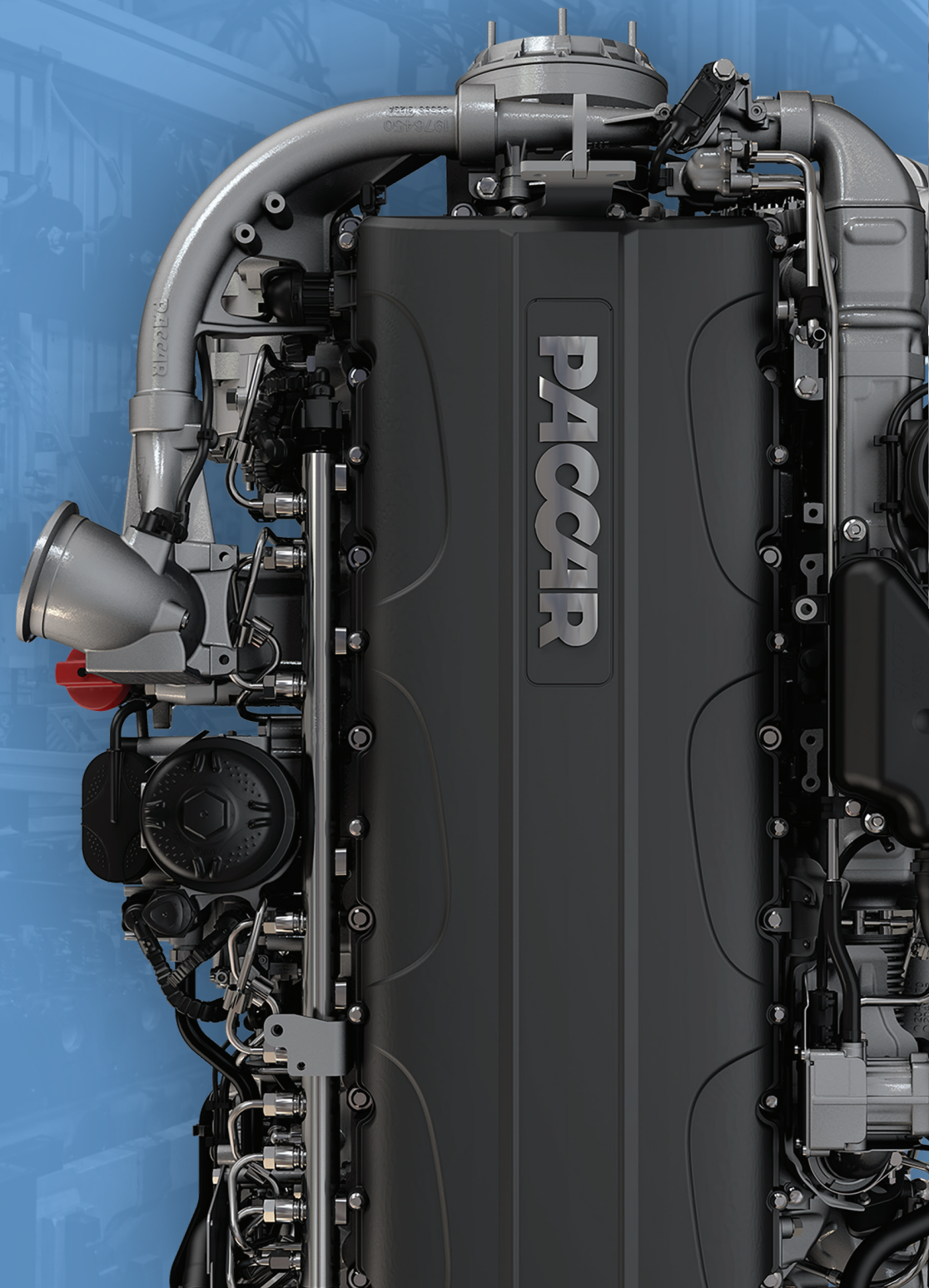


PACCAR ENGINES

THEY DON'T JUST RAISE
INDUSTRY STANDARDS.
THEY REDEFINE
THEM ENTIRELY.

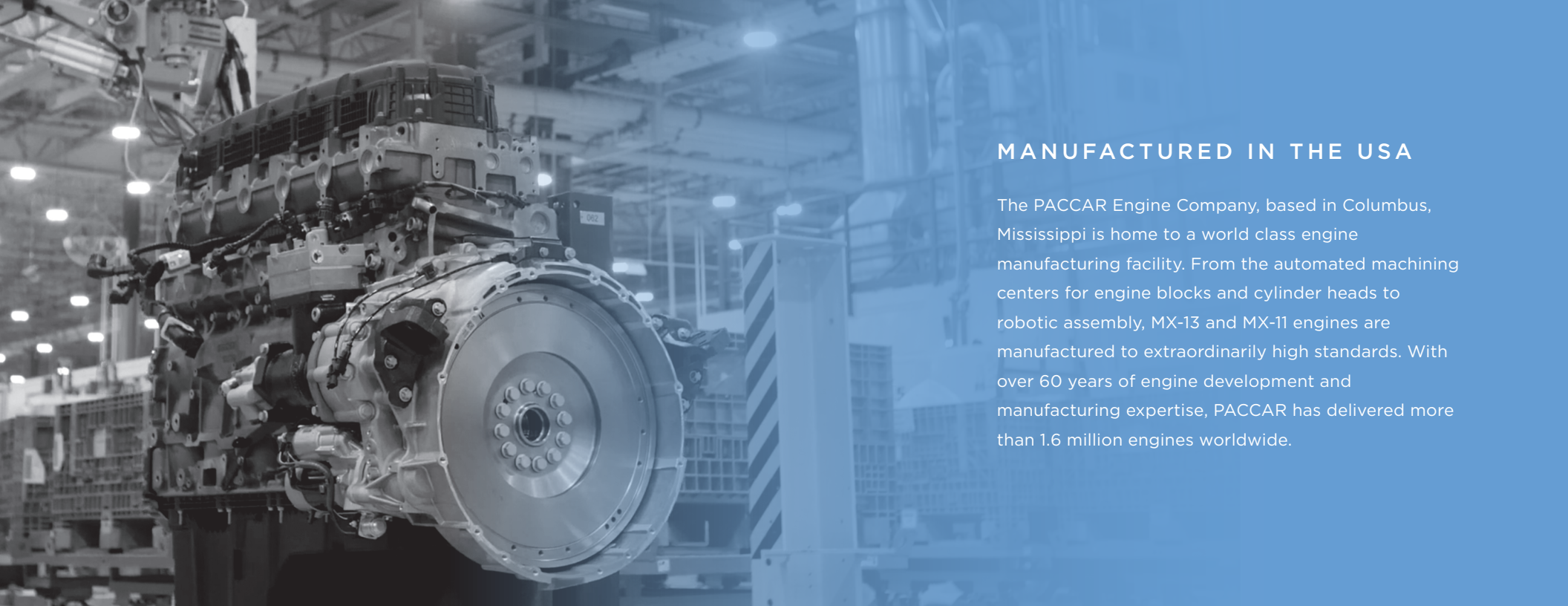
Purposeful design, state of the art components, robust yet lighter weight materials and PACCAR's unwavering commitment to excellence all combine to produce engines that will run longer, perform better and maximize your return on investment. Exactly what you need on the road ahead.

- **Lightweight Design.** Engine head and block are made of Compacted Graphite Iron and are 75% stronger and 20% lighter than gray iron.
- **Superior Durability.** Force fracture technology for main bearing and connecting rods give superior strength for greater longevity.
- **Fuel Efficient Performance.** Variable speed engine components are matched to the application for optimized performance.
- **Quiet Operation.** A unique crankshaft design reduces vibration, leads to quicker acceleration and enhances the driving experience.



MANUFACTURED IN THE USA

The PACCAR Engine Company, based in Columbus, Mississippi is home to a world class engine manufacturing facility. From the automated machining centers for engine blocks and cylinder heads to robotic assembly, MX-13 and MX-11 engines are manufactured to extraordinarily high standards. With over 60 years of engine development and manufacturing expertise, PACCAR has delivered more than 1.6 million engines worldwide.



WORLD-CLASS DEVELOPMENT CENTERS KEEP PACCAR ON THE LEADING EDGE

PACCAR operates two world-class engine research and development centers with 45 engine test cells, a full powertrain dynamometer, and a full climatic chassis dynamometer to enhance its engine design and manufacturing capability.



A FAR BETTER RETURN ON INVESTMENT

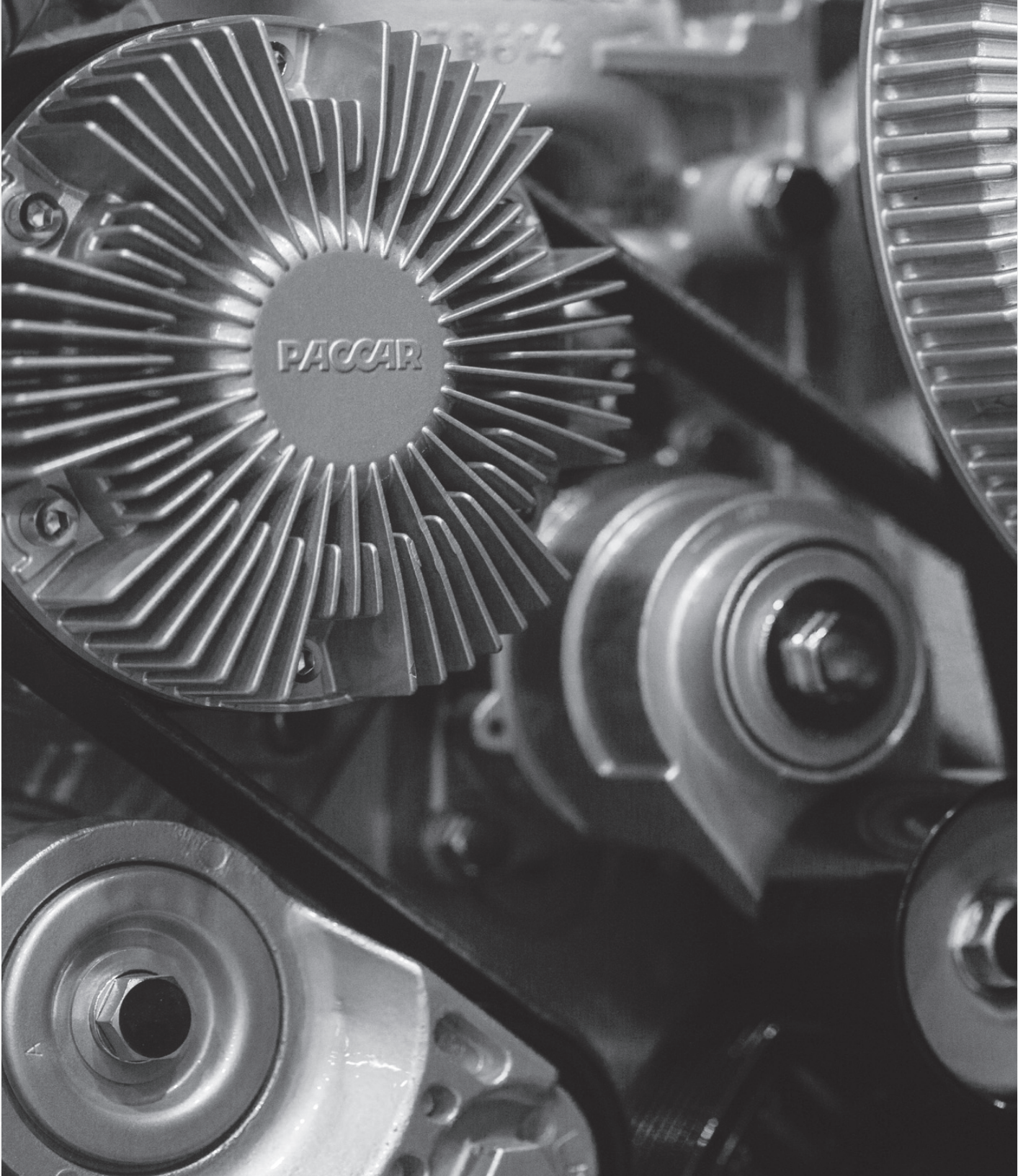
When it comes to maximizing uptime, the PACCAR Engine delivers. It is the first heavy-duty truck engine to achieve the industry's B10 design life of one million miles*. Which means that 90 percent of all PACCAR Engines will log over one million miles without a major overhaul — reflecting unprecedented durability, productivity and longevity.

That's just for starters. Because more productive time on the job also means less scheduled downtime. Extended service intervals and quicker-to-replace, serviceable components offer a major competitive difference that can produce significant savings — as much as 30 percent —over the life of your vehicle. Oil and fuel filter changes, for example, can occur at 75,000 mile intervals, much less frequently than competitive engines.

*PACCAR Engine B10 Life applies to linehaul applications.

MAINTENANCE INTERVALS

MAINTENANCE ITEM		MILES	KILOMETERS
FUEL FILTER	Normal/Line Haul < 20% Idle Time	75,000	120,000
	Normal/Line Haul > 20% Idle Time	50,000	80,000
	Severe/Vocational Duty	30,000	48,000
OIL AND FILTER	Normal/Line Haul < 20% Idle Time	75,000	120,000
	Normal/Line Haul > 20% Idle Time	50,000	80,000
	Severe/Vocational Duty	30,000	48,000
COOLANT FILTER	Severe/Vocational Duty	300,000	480,000
	Normal/Line Haul	300,000	480,000
DEF FILTER		300,000	480,000



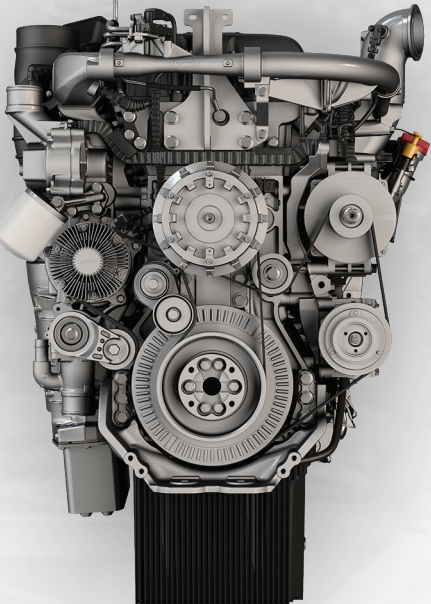
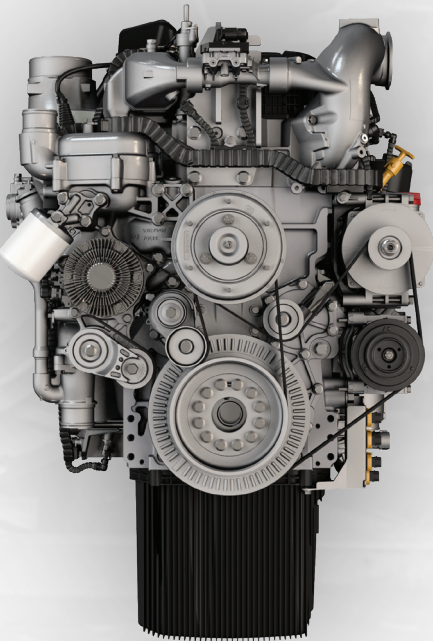
WORLD CLASS WARRANTIES

As you might expect, PACCAR engines are backed by one of the best warranties in the industry and are available with extended protection plan options to meet your precise business and application requirements.

PACCAR MX ENGINE STANDARD WARRANTY

STANDARD WARRANTY

COMPREHENSIVE	2 YEARS/250,000 MILES (400,000 KM)
ENGINE AFTERTREATMENT	2 YEARS/250,000 MILES (400,000 KM)
MAJOR COMPONENTS	5 YEARS/500,000 MILES (800,000 KM)



WE'RE WITH YOU ALL THE WAY

When you need genuine parts and expert service, PACCAR's expansive support network will get you back on the road fast. With hundreds of PACCAR Engine dealerships throughout North America you are never far from quality service and support when you buy a PACCAR powered vehicle. Expect comprehensive warranty coverage, a hassle-free process and expedited parts and service for critical downtime situations.

VISIT WWW.PACCARPOWERTRAIN.COM
TO FIND YOUR LOCAL DEALER

PACCAR

PACCAR Inc.
P.O. Box 1518
Bellevue, WA 98009



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