

Synthetic Engine Oil Protection and Performance

Product Information

PM418 Headstart 50 is a synthetic multi-functional engine oil formulated to provide robust protection and performance for a range of engines operating in normal to severe conditions. Operators enjoy the benefits of PM Lubrications Xtra Protection Reserve with performance additives, including active dispersants and detergents, along with heat and shear-stable viscosity index modifiers that play critical roles to achieve optimum protection. PM418 Headstart 50 meets and exceeds the API classification CI-4/SL, CH-4/SJ and is active in producing clean componentry, which could involve extended drain service intervals amid wide ambient temperature variations. From cooler temperature stop/start urban operation to sustained high-temperature high-speed conditions, a reduced oxidation rate, plus increased protection from piston deposits, especially compared to previous classifications, can be enjoyed.

Application: PM418 Headstart 50 is recommended for use in all types of four-stroke 4, 5, 6 and 8 cylinder naturally aspirated, multi-valve, turbo and super-charged engines, including direct injection designs. PM418 Headstart 50 is a full SAPS formulation.

Vehicle/Fuel Types: PM418 Headstart 10W50 is suitable for LP, LPG, ULP, PULP, E10, E85 and diesel in passenger cars and light-load commercials, including 4WD **without** DPF, and arms users with the confidence they need in navigating the variations encountered over the continent. Protection is assured in high load, high performance and competition applications.

Benefits: **Reduced friction with lower wear rates while maintaining efficiency. **Protection in all driving conditions and temperatures. ** Maintains engine cleanliness. ** **PM418 Headstart 50 is NOT suitable for vehicles fitted with DPF.**

PM Lubrication actively promotes depth media filtration for use with its lubricants to ensure longer component

Typical Properties

SAE Viscosity	10W50
Kinematic Viscosity	
Viscosity @ 40°C	114 cSt
Viscosity @ 100°C	17 cSt
TBN	TBA
Colour	Red
Viscosity Index	138
Ash, Sulphated	1.49%
Density @ 15° C kg/L	0.884

Benefits

- Reduces Friction
- Exceptional Cleanliness
- Lower Wear Rates
- Prolonged Service Life
- Extended Drain Periods
- Resists Viscosity Thickening

Available in 200L, 20L, 5L, 4 x 5L Containers

Issued 7/02/2026

Meets and or Exceeds Service Classifications

- API: CI-4/SL, CH-4/SJ
- ACEA: E7, A3, B3, B4
- Allison C4
- Cummins 20077/78
- Detroit Diesel DDC 93K215
- Deutz DQC III-10
- Global DHD-1
- MACK EOM, EON
- MAN M3275-1
- MB 228.3, 229.1
- MTU Type 2
- Renault RLD-2
- Volvo VDS 3

PM418 Headstart 50

For 4 Stroke Diesel & Petrol Engines

Why PM Lubrication?

- ❖ Premium Quality
- ❖ XPR Protection Reserve
- ❖ Cost Effective Lubrication
- ❖ On-Site Monitoring will maximise equipment life
- ❖ Knife Edge Filtration
- ❖ Our Predictive & Preventative Maintenance Programme is **GUARANTEED** to save 15% of your total operating costs

