

### High Temperature Stability with Low Temperature Performance

#### Product Information

PM454 Mono Guard 50 Engine Oil is a high SAPS SAE 50 grade engine oil, formulated using a synthetic-mineral blend of base stocks. Combine the bases with effective robust additives, protection against valve train and liner wear, foaming, corrosion, enhanced lower oxidation rates, all lend themselves to new performance levels that become common in a wide cross-section of late model high-speed diesel engines through to older engine types, which include petrol applications. The anti-wear focused engine oil formulation maintains engine cleanliness & reduces wear metal counts. PM454 Mono Guard 50 Engine Oil can be put to work where manufacturers specify an SAE 50 monograde oil in a wide range of diesel engines. The monograde aspect of this product results in outstanding performance and increased life, where higher ambient temperatures are prone to result in oil thinning and unwanted consumption with ordinary oils because of the adverse conditions. These traits, common in these situations, are inhibited through their inherent shear resistance. High temperature stability is a feature of this formulation. PM454 Mono Guard 50 Engine Oil is **also suitable for manual transmissions requiring API: GL-3 oils**. PM454 Mono Guard 50 Engine Oil is well suited to high-speed diesel, both naturally aspirated and turbo-charged European, Japanese and American manufactured diesel engines operating under severe on and off highway conditions such as road transport, marine, mining, agricultural, earthmoving, stationery and construction equipment and those transmissions where a monograde SAE 50 is called for.

**PM454 Mono Guard 50 is NOT suitable for emission-controlled engines.**

PM454 Mono Guard 50 Engine Oil is also suitable for older design diesel engines that show signs of wear and oil consumption and performs admirably in such makes as: Lister Petter, Gardner-Denver, Honda, Hino, Leyland, Detroit Diesel, Iseki, Kawasaki, Kohler, International, Fiat, Allis Chalmers, Ford, Kubota, Isuzu, Komatsu, Ruston, John Deere, Onan, Delta and Yanmar and other makes. **PM Lubrication's Mono Guard 50** formulation minimises friction and wear while optimising power output. Sustains oil pressure.

PM Lubrication endorses the use of depth media filtration, proven to extend the life of both the lubricant and the componentry being serviced.

#### Typical Properties

<b>SAE Viscosity</b>	50
<b>Kinematic Viscosity</b>	
Viscosity @ 40°C	173.3 cSt
Viscosity @ 100°C	19.38 cSt
Viscosity Index	128
Colour	Bright & Red
Density @ 15°C kg/L	0.876

#### Benefits

- Reduces Friction
- Exceptional Cleanliness
- Lower Wear Rates
- Reduces Oil Consumption
- Resists Viscosity Thickening
- Restores Integrity and Performance

Available in 1000L, 200L, 20L, 5L,  
4 x 5L Containers

#### Meets and or Exceeds Service Classifications

- API CK-4
- Caterpillar TO-2
- Ford M2C-121E3
- MACK EO-K2,
- MB 228.0
- Volvo B-20
- Mitsubishi
- Fuller-Road Ranger
- Spicer

**PM454 Mono Guard 50 High-Speed Diesel**  
**High SAPS Not for DPF**

#### 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

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