

Product code: 7835

Sector: Industrial

Issue No: 1

Issue Date: 06/01/2026

## Millmax Stay Clean 46

Millmax Stay Clean 46 is a high-performance, API Group III fluid developed for hydraulic systems where exceptional cleanliness and operational performance are required. Modern systems use smaller fluid reservoirs despite increased operating temperatures and pressures, compromising the oil's ability to release air and dissipate heat. Advanced thermal and oxidation stability is therefore essential to prevent the formation of harmful lacquers, varnish, and sludge in these compact environments.

### Application

Designed for use in high-pressure hydraulic systems operating under severe thermal stress. In systems that have not been fully cleaned or where existing varnishing is a concern, the maximum benefits of this product are achieved by first cleaning the system using Millers Oils Milliclean 1000T.

### Features & Benefits

- The fluid provides superior thermal and oxidation stability to deter the formation of lacquers and varnish in modern, compact hydraulic reservoirs.
- A high viscosity index ensures that the lubricant maintains an optimum oil film thickness across a broad temperature spectrum, protecting critical components from wear during both cold starts and high-temperature operation.
- Enhanced air release and cooling capabilities ensure reliable power transfer even in systems with reduced oil volumes.
- The stable viscosity characteristics improve overall hydraulic efficiency, reducing internal leakage and contributing to lower energy consumption.
- Excellent system cleanliness is maintained over long service intervals, helping to prevent the build-up of sludge that can compromise valve operation.
- The formulation offers robust protection for components operating under increased pressures, extending the service life of pumps and motors.
- High levels of fluid stability support consistent performance and reduced maintenance costs in demanding industrial environments.

### Performance Profile

- DIN 51524-3 (HVLP)
- ISO 11158 (HV)

### Typical Characteristics

Density @ 15°C, g/ml	0.869
KV @ 40°C, cSt	46.8
KV @ 100°C, cSt	8.72
Viscosity Index	168
Pour point, °C	-45
Flash point, °C	232