

Multigrade Heavy Duty Diesel Engine Oils

Diesel Engine OPAL S Protection oils feature proven lubricant chemistry that adapts to your driving needs to provide extra protection whatever the demands of your engine or equipment. Featuring an active-detergent system to keep pistons and other engine parts clean, it provides protection against wear for long engine life and protection against deposits for efficient engine performance.

PERFORMANCE, FEATURES & BENEFITS

- **Equipment manufacturer acceptance OPAL S multigrade are meets/exceeds for use in a variety of engine application by leading OEMs.**
- **High standard of piston cleanliness**
- **The high thermal stability and oil oxidation resistance provide a high standard of piston cleanliness**
- **Low engine wear and long component life Overall engine cleanliness contributes to low engine wear, long component life, maintenance of power output, more operational stability and lower servicing costs.**

MAIN APPLICATIONS

- Dedicated diesel engine oil performance OPAL S multigrade have been formulated to provide robust engine performance in a variety of off-highway applications or older on-highway diesel vehicles
- Construction industry application Engine oil technology is sometimes specified for use in the transmission and hydraulic applications. OPAL S multigrade offer premium performance and protection for these applications.
- Stationary equipment OPAL S multigrade are suitable for certain stationary equipment, such as pumps, that run continuously under steady state conditions.

SPECIFICATIONS & RECOMMENDATIONS

- API: CF
ACEA B2

PRODUCT SPECIFICATIONS

TEST PARAMETER	TEST METHOD	TYPICAL VALUE
Appearance	Visual	Clear and bright
KV @ 40°C	ASTM D445	156
KV @ 100°C	ASTM D445	18
Viscosity Index	ASTM D2270	≥ 120
Density @ 15°C	ASTM D4052	0.881
Flash Point	ASTM D92	≥ 220
Pour Point	ASTM D97	-24
CCS @ -15°C	ASTM D5293	9000
TBN	ASTM D2896	6

* Note: Typical value; may vary slightly. Please contact your SBK representative for the current batch COA (Certificate Of Analysis)