



S CGP 460

SYNTHETIC CIRCULATION OIL

Black Bulls S CGP 460 is high performance heavy duty circulation oil which is formulated with synthetic base oil and proprietary additive system combination to meet the critical requirements of rolling mills, circulation system of primary and mill bearing and high-speed no-twist rod mills. It is providing enhanced film strength anti-scuff and anti-wear properties.

Typical properties:

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUES
SAE VISCOSITY GRADE			460
APPEARANCE	NA	VISUAL	B&C
DENSITY @ 15.6°C	g/mL	ASTM D-4052	0.8800
KINEMATIC VISCOSITY @100°C	cSt	ASTM D-445	36.63
KINEMATIC VISCOSITY @40°C	cSt	ASTM D-445	460
VISCOSITY INDEX	NA	ASTM D-2270	120
POUR POINT	°C	ASTM D-92	-24
CORRECTED FLASH POINT	°C	ASTM D-92	264
DEMULSIBILITY AT 82°C	Minutes to 3ml	ASTM D-1401	25
DEMULSIBILITY FOR NON-EP OILS	ml water	ASTM D-2711	40
RUST PROTECTION, DISTILLED WATER	NA	ASTM D-665	Pass
RUST PROTECTION, SEA WATER	NA	ASTM D-665	Pass
COPPER CORROSION, 3 HOURS @ 100°C	NA	ASTM D-130	1A
FZG GEAR TEST, DIN 51354, FAILURE STAGE	NA		12

Advantages:

- Rust & Corrosion protection.
- Exceptional anti-wear.
- Excellent demulsibility.
- Superb equipment protection.
- Highly reliable operation.
- Long oil change life.

Application:

- Use in ferrous and non-ferrous mills.
- Back-up roll bearing system.
- High speed rolling mills.

