



Technical Data Sheet

- REDUCED PISTON DEPOSITS
- GOOD PISTON RING AND PORT CLEANLINESS
- GREATER FEED RATE FLEXIBILITY

Pure Tech Cylinder LS

Special cylinder oil for low-speed diesel engines

Pure Tech Cylinder LS is a special 40BN, SAE 50 cylinder lubricant, for improved piston running conditions in low speed crosshead diesel engines burning low sulphur fuels.

RELIABLE ENGINE PERFORMANCE:

- **Reduced piston deposits:** The reduced ash level of Pure Tech Cylinder LS helps to avoid excessive piston top land deposits, which can sometimes build up when 70BN oils are used with low sulphur fuel.
- **Good piston ring and port cleanliness:** Pure Tech Cylinder LS contains "hidden" detergency, not reflected in the BN of the product. This enables it to keep the ring belt and scavenge air ports clean in spite of the reduced BN.
- **Greater feed rate flexibility:** The control of deposits and lower ash allows Pure Tech Cylinder LS to be used over a wider range of feed rates with less danger of excessive deposits, than a 70BN cylinder oil.

MAIN APPLICATIONS

- Cylinders of low-speed crosshead diesel engines burning fuels with sulphur content below 2%wt, where the designer recommends a lower Base Number (BN) oil to reduce the risk of "sudden severe wear" or scuffing.

TYPICAL PHYSICAL CHARACTERISTICS

PROPERTIES			METHOD	CYLINDER LS
SAE Viscosity Grade				50
Kinematic Viscosity	@40°C	cSt	IP 71	211.0
Kinematic Viscosity	@100°C	cSt	IP 71	19.5
Viscosity Index			IP 226	100
Density	@15°C	kg/l	IP 365	0.925
Flash Point	(Pensky-Martens Closed Cup)	°C	IP 34	210
Pour Point		°C	IP 15	-6
TBN		mg/KOH/g	IP 276	40
Sulphated Ash		%wt	IP 163	5.3

HEALTH, SAFETY & ENVIRONMENT

Health and Safety

Pure Tech Cylinder LS is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

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