DL-5® DICRONITE®

Modified WS2 Dry Film Lubrication

Dicronite® is available throughout the world.
www.dicronite.com

ENGINE PERFORMANCE IMPROVEMENT

Dicronite® DL-5® was proven to improve engine performance.

SITUATION

A professional racing team using a 3.6L Porsche engine was experiencing less than desired engine performance and higher than desired operating temperatures. They determined to reduce friction within the system by using a dry lubricant coating. The coating needed to perform under the following conditions:

- Extremely high operating temperatures
- Tight tolerances of existing design (no re-design)
- Presence of essential engine fluids

RESULTS

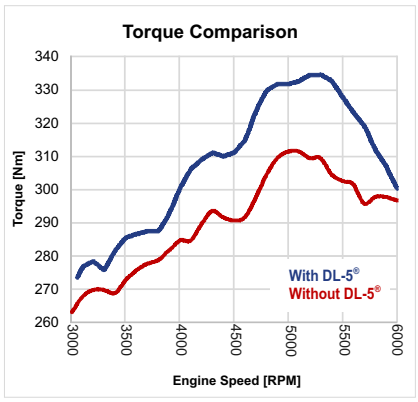
After coating the engine with Dicronite®, the following changes were recorded:

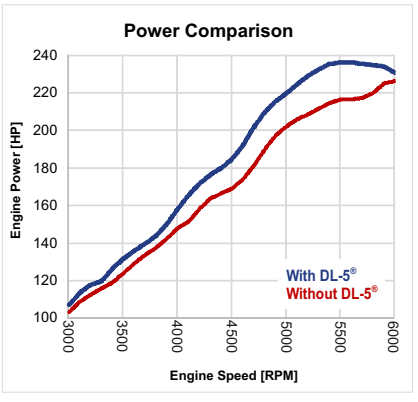
- 9% increase in peak torque
- 10% increase in peak horsepower
- 3% decrease in exhaust temperature

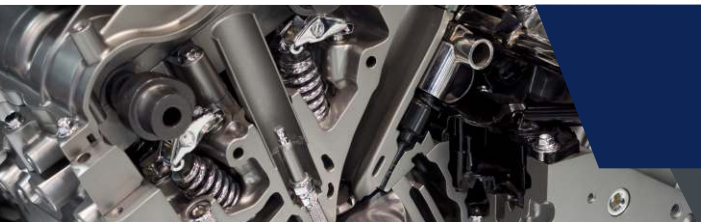
The racing team incorporated Dicronite® as part of the 3.6L Porsche engine requirements.

TESTING

The engine was tested with a dynamometer and disassembled. The crankshaft, journal & main bearings, timing chain, rods, wrist pins, rings, piston skirts and valve assemblies were coated with Dicronite®. After reassembly, the engine was tested again with the valve assemblies.







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