



Associated with:

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Science. Food Microbiology.

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NORTHAMPTON  
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M.S.L Laboratories Ltd. NAMAS Accredited.

**Lubrication Test:** 27<sup>th</sup> October 1999

<b>Product Teste:d:</b>	1. AC Delco Select 20W-50 Oil	2. Motor Up
	3. Tufoil	4. Slick 50
	5. Prolong	6. Bitron Engine Formulation

<b>Test Type:</b>	Measure of torque value necessary to cause seizure of test piece due to lubrication failure.
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<b>Test Subject:</b>	FLC Lubricity Tester. Cross-Axis test.
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<b>Test Procedure:</b>	The AC Delco oil was first tested to set a base line of lubricating ability. Next, the additives were mixed with the oil to the manufacturers recommended dilution percentage. Torque was increased until a cut mark appeared on the test piece indicating lubrication failure. The max torque value achieved was then graphed for easy reference.
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<b>Test Location:</b>	Production Laboratory.
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<b>Test Result:</b>	The graph below indicates the max torque value achieved (to cause seizure). Bi-Tron Engine Formulation not only out-performs it's competitors, it improves the lubricating properties of the base oil by a huge margin.
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**Results Graph :**

The Graph shows the torque required for the test sample to seize.

