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***ANALYSIS REPORT***

***4140HT and 4142HT ALLOY STEELS***

***AISI 4140***  
***AISI 4142***  
***ASTM A829***

<b>CHEMICAL ANALYSIS:</b>		<b>LIMITS.</b>
<b>C CARBON</b>	<b>.38 TO</b>	<b>.46%</b>
<b>Si SILICON</b>	<b>.15</b>	<b>.40</b>
<b>Mn MANGANESE</b>	<b>.70</b>	<b>1.00</b>
<b>V VANADIUM</b>		<b>.03 MIN</b>
<b>Cr CHROMIUM</b>	<b>.80</b>	<b>1.15</b>
<b>P PHOSPHORUS</b>		<b>.035 MAX</b>
<b>S SULPHUR</b>		<b>.045 MAX</b>
<b>Mo MOLYBDENUM</b>	<b>.15</b>	<b>.25</b>

**HARDNESS: 28 TO 32 HRC**

**ALL MATERIAL IS DFARS COMPLIANT**