LPAC-150 LV & HV™ is produced in low viscosity & high viscosity grades as a high performance polyanionic cellulose suspended in a non-toxic mineral oil. LPAC-150 LV & HV™ grades can be used as borehole stabilizer, rheology control, filtrate reducer and lubricant, disperses easily in the mud without formation of “fish eye” and loss of non-dispersed polymers.

**APPLICATIONS**
- Controls Fluid Loss
- Improves core recovery in diamond drilling
- Reduces friction and minimizes chances of differential sticking
- Inhibits reactive clays and retards drilled solids build-up

**ADVANTAGES**
- Disperses easier than the powder PAC
- Provides filtration control in fresh and brackish water-based drilling fluids
- Saves mixing time compare to powder polymers
- Reduces product waste and betters penetration rate into the system
- Effective in all water types
- Provides suspension without the addition of solids
- Improves lubricity lowers friction pressure
- Increases hole cleaning capacity and core recovery

**PROPERTIES, TYPICAL**
- Appearance: Viscous Beige Color Liquid
- Specific Gravity: 1.10 – 1.11 g/cc
- Activity %: 40 % active

**USAGE**
- Friction reducer and lubricant for horizontal drilling
- Increases resistance of clay muds to contamination
- Eliminates need of preservatives; non-fermenting
- Superior carrying capacity

**PACKAGING**
- 5 gallon pails (36 per pallet)
- 55 gallon drums
- 275 Gal Totes

<table>
<thead>
<tr>
<th>Application</th>
<th>Normal Use Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluid loss control</td>
<td>0.20 to 1.5 gal/bbl</td>
</tr>
<tr>
<td>Inhibition/encapsulation</td>
<td>0.50 to 1.5 gal/bbl</td>
</tr>
<tr>
<td>Improve filter cake</td>
<td>0.30 to 0.4 gal/bbl</td>
</tr>
<tr>
<td>Improved &amp; stabilized rheology</td>
<td>0.45 to 0.8 gal/bbl</td>
</tr>
<tr>
<td>Reduced stuck pipe frequency</td>
<td>0.35 to 0.8 gal/bbl</td>
</tr>
<tr>
<td>Improve hole cleaning</td>
<td>0.20 to 1.0 gal/bbl</td>
</tr>
</tbody>
</table>

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