



ISO9001 REGISTERED FIRM

**SILVERHOOK LTD. OIL & LUBRICANT SPECIALISTS**

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**TECHNICAL DATA SHEET**

**Silverhook LHM**

**Ref: SHC1**

Silverhook LHM meets the requirements of the latest issue of the ISO 7308 Specification. The product shall also meet the following requirements:

| <b>Test</b>                      | <b>Units</b> | <b>Method</b> | <b>Specification</b> |
|----------------------------------|--------------|---------------|----------------------|
| Appearance                       | -            | Visual        | Clear and Green      |
| Equilibrium Reflux Boiling Point | °C.          | ISO 3405      | 240 Min.             |
| Kinematic Viscosity at -40 °C.   | cSt          | ISO 3104      | 1200 Max             |
| Flash Point (Closed Cup)         | °C           | IP 34         | 110 Min              |
| Pour Point                       | °C           | IP 15         | -50 Max              |
| Viscosity Index                  | -            | IP 226        | 300 Min              |

Silverhook Brake Fluids also conform to many other international and manufacturers' standards. Suitable for certain Citroen, Peugeot and Rolls Royce & Bentley.

| Test Required                              | Typical Results | Specification                              |
|--|-----------------|--|
| Equilibrium Reflux Boiling Point, °C       | 253             | 270 °C Min                                 |
| Kinematic Viscosity @ +100 °C, cSt         | 6.30            | 6.0 to 6.8 cSt                             |
| @ +40 °C, cSt                              | 18.48           | 18.0 to 20.0 cSt                           |
| @ -40 °C, cSt                              | 1068            | 1000 to 1200 cSt                           |
| Viscosity Index                            | 341             | 310 Min                                    |
| Flash Point, PM Closed Cup, °C             |                 | 110 °C Min                                 |
| Pour Point, °C                             |                 | -50 °C Max                                 |
| Water Content, ppm                         | 35              | 50 ppm Max                                 |
| Neutralisation Index, mg KOH/g             | 0.092           | 0.1 Max                                    |
| Fluidity & Appearance @ -40 °C             | Pass, 3 second  | No freezing, Bubble time 10 sec. Max       |
| @ -50 °C                                   | Pass, 9 seconds | No freezing, Bubble time 35 sec. Max       |
| Hydroscopicity                             | -0.031          | 0.1 Max                                    |
| Foam Volume @ 24 °C, ml                    | 80              | 100 Max                                    |
| @ 93 °C, ml                                | 40              | 200 Max                                    |
| Cooled to 24 °C                            | 80              | 100 Max                                    |
| 2 Min @ 24 °C                              | 0               | Nil  |
| 2 Min @ 93 °C                              | 0               | Nil  |
| Compatibility @ -40 °C                     | Pass            | Clear - no stratification or sedimentation |
| @ +60 °C                                   | Pass            | Clear - no stratification or sedimentation |
| Shear stability (175Bar, 250 cycles), ΔcSt | -0.02           | 0.5 cSt Decrease Max                       |
| Anti-wear stability (4 ball), mm wear      | 0.529           | 1 mm Max                                   |
| Colour, visual                             | Green           | Green                                      |

### Corrosion Resistance

|                                |                      |        |  |
|--------------------------------|----------------------|--------|--|
| Copper                         | Δ mg/cm <sup>2</sup> | Nil    | +/-0.05 Max                                |
| Appearance                     | Good                 |        | No pitting or etching                      |
| Brass                          | Δ mg/cm <sup>2</sup> | Nil    | +/-0.05 Max                                |
| Appearance                     | Good                 |        | No pitting or etching                      |
| Bronze                         | Δ mg/cm <sup>2</sup> | Nil    | +/-0.05 Max                                |
| Appearance                     | Good                 |        | No pitting or etching                      |
| Steel C35                      | Δ mg/cm <sup>2</sup> | +0.012 | +/-0.05 Max                                |
| Appearance                     | Good                 |        | No pitting or etching                      |
| Iron                           | Δ mg/cm <sup>2</sup> | -0.035 | +/-0.05 Max                                |
| Appearance                     | Good                 |        | No pitting or etching                      |
| Zinc Alloy                     | Δ mg/cm <sup>2</sup> | -0.047 | +/-0.05 Max                                |
| Appearance                     | Good                 |        | No pitting or etching                      |
| Steel type 4                   | Δ mg/cm <sup>2</sup> | -0.024 | +/-0.05 Max                                |
| Appearance                     | Good                 |        | No pitting or etching                      |
| Fluid Appearance               | Δ mg/cm <sup>2</sup> | Pass   | No crystallisation or gelling              |
| Sediment %                     | Appearance           | < 0.1  | < 0.1%                                     |
| Neutralisation Index, mg KOH/g | 0.1                  |        | +/- 1                                      |
| Rubber appearance              | Good                 |        | No sloughing, blistering or disintegration |

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