

## DESCRIPTION:

**SOBIL SYNTERM SPECIAL** is an excellent heat transfer fluid using synthetic base stocks. This oil is formulated with high quality synthetic base fluid and selective anti-oxidants to provide maximum efficiency for longer service life. This oil gives excellent rapid heating because of its high specific heat and very good thermal conductivity.

## APPLICATION:

**SOBIL SYNTERM SPECIAL** recommended in closed heat transfer systems where bulk operating temperatures goes upto 3150C. It is suitable for indirect heating systems of non-pressurized heating systems. It is used in chemical, plastic, steam & hot water units, autoclaves, reaction vessels, textile industries, Air-conditioning Units, paper industry etc.

The operational temperature is between -280C to +3050C

## ADVANTAGES:

**SOBIL SYNTERM SPECIAL** offers the following advantages:

- Excellent thermal stability due to its synthetic nature leads to extended drain interval.
- High auto-ignition point minimizes risk of fire accidents.
- Having outstanding resistance to thermal cracking and oxidation which gives extended life cycle.
- Due to its very low pour point, it possesses very good flow at lower temperatures in winter and easy pump ability.
- Its good Solubilization character helps in keeping the system very clean and deposit free thereby ensuring better heat transfer efficiency.
- The lower viscosity increases the flow of fluids and hence maximizes the
  - heat transfer in the system.
- Non-corrosive.
- Its higher boiling point reduces the evaporation loss and hence less consumption.

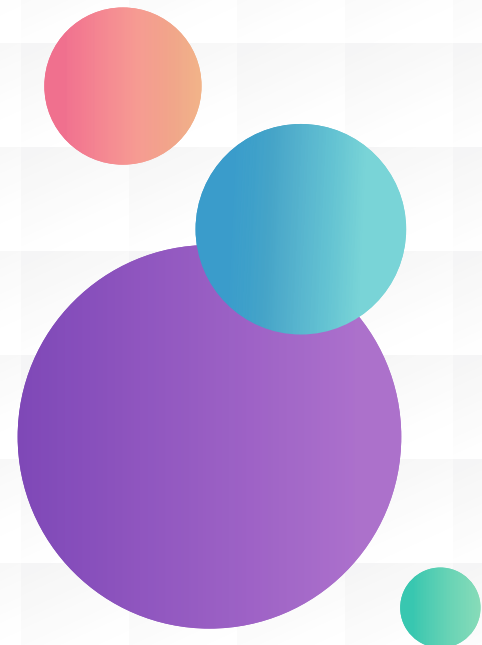
## Guru Ram Lubricants

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| PROPERTIES                              | ASTM TEST METHOD | TYPICAL VALUES   |
|---|------------------|------------------|
| Appearance                              | Visual           | Clear and Bright |
| Colour ASTM                             | D1500            | L1.5             |
| Density @29.5°C, gm/cm <sup>3</sup>     | D4052            | 0.8540           |
| Kin. Viscosity @ 40°C, cSt              | D445             | 20.29            |
| Kin. Viscosity @ 100°C, cSt             | D445             | 3.94             |
| Moisture Content, ppm                   | KF               | <60              |
| Flash Point, COC, °C                    | D92              | 204              |
| Pour Point, °C                          | D97              | Below -48        |
| Total Acid Number, mgKOH/gm             | D664             | 0.01             |
| Initial Boiling Point, °C               | D86              | 335              |
| Final Boiling Point, °C                 | D86              | 480              |
| Copper Strip Corrosion @ 1000C for 3Hrs | D130             | 1a               |
| Conradson Carbon Residue, % by Wt       | D189             | Nil              |

The above details are typical results of normal production and variations in these characteristics may occur. The information contained herein is subject to change without notification. All recommendations and suggestions are without guarantee and the manufacturers do not accept liability for any loss or damage, however arising, which results directly from the use of such information, nor do we offer any warranty.

**STORAGE:**

Store the products indoors and avoid direct sunlight or heat. Please keep the container in closed condition always.

**ENVORNMENT, HEALTH AND SAFTEY:**

- ◆ Do not dispose the used oil to soil, drains and water. Dispose the used oil through authorized collection point.
- ◆ This product is unlikely to present any safety & health hazard when properly used in the recommended application.
- ◆ Avoid contact with skin and eyes. After skin contact, wash with water and soap.

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