

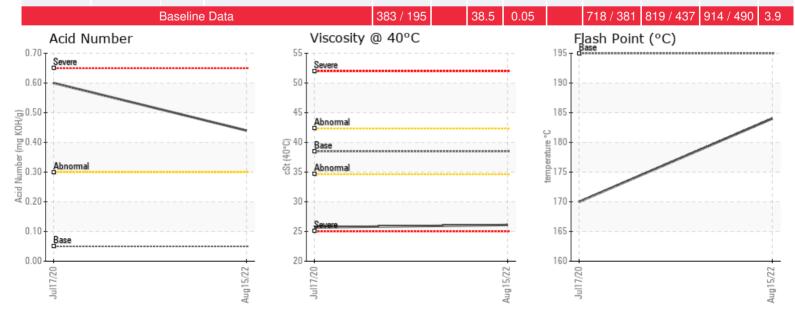
SAHA FARM CO LTD

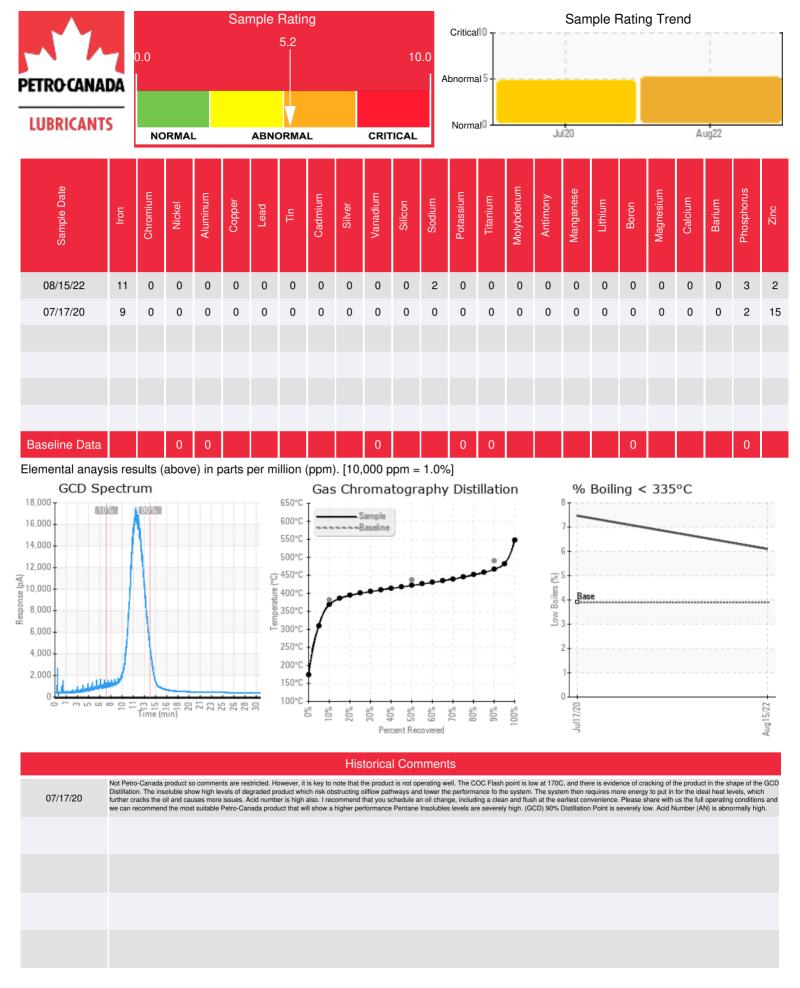
| Customer: PTRHTF60010 | System Information | Sample Information | | | |
|---------------------------------|-----------------------------------|---------------------------------------|--|--|--|
| SYNLUBE INTERNATIONAL CO LTD | System Volume: 46000 ltr | Lab No: 02506460 | | | |
| 76/1 MOO.7 THACHIN | Bulk Operating Temp: 545F / 285C | Analyst: Bill Quesnel CLS,OMA II,MLA- | | | |
| MUANG SAMUTSAKHON, 74000 | Heating Source: | III,LLA-I | | | |
| THAILAND | Blanket: | Sample Date: 08/15/22 | | | |
| Attn: CHERNPORN CHOBKUI | Fluid: SHELL HEAT TRANSFER OIL S2 | Received Date: 08/22/22 | | | |
| Tel: 034421290 | Make: BULWARKS | Completed: 08/25/22 | | | |
| E-Mail: chernporn@synlube.co.th | | Bill Quesnel CLS,OMA II,MLA-III,LLA-I | | | |

Recommendation: No significant change in the fluid since the last sample two years ago. There are low boilers showing in the gas chromatogram (SimDis). Recommend venting the fluid in the expansion tank to remove the low boilers and restore the viscosity.

Comments: Pentane Insolubles levels are severely high. (GCD) 90% Distillation Point is severely low. Acid Number (AN) is abnormally high.

| Sample Date | Received Date | Fluid Age | Sample Location | Flash Point (COC) | Water (KF) | Viscosity (40°C) | Acid Number | Solids | GCD 10% | GCD 50% | GCD 90% | GCD % < 335°C |
|-------------|---------------|-----------|-------------------|-------------------|------------|------------------|--------------|--------|-----------|-----------|-----------|---------------|
| | mm/dd/yy | | | °F/°C | ppm | cSt | mg/KOH/ g | %wt | °F/°C | °F/°C | °F/°C | % |
| 08/15/22 | 08/22/22 | 54.0m | SUPPLY AND RETURN | 363 / 184 | 30.6 | 26.1 | 0.44 | 0.946 | 695 / 368 | 791 / 422 | 872 / 467 | 6.10 |
| 07/17/20 | 07/23/20 | 60.0m | SUPPLY AND RETURN | 338 / 170 | 324.7 | 25.7 | 0.60 | 1.06 | 673 / 356 | 789 / 421 | 877 / 470 | 7.47 |
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