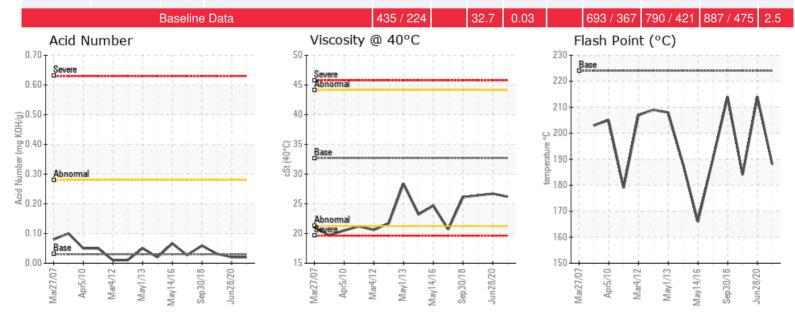


| CERTAINTEED - SAINT GOBAIN | System Volume: 5670 gal | Lab No: 02420349 |
|--------------------------------|----------------------------------|---------------------------------|
| 3303 EAST 4TH AVENUE | Bulk Operating Temp: 428F / 220C | Analyst: Neil Buchanan |
| SHAKOPEE, MN 55379 USA | Heating Source: | Sample Date: 04/29/21 |
| Attn: Patrick Wallace | Blanket: | Received Date: 05/11/21 |
| Tel: | Fluid: PETRO CANADA CALFLO AF | Completed: 05/17/21 |
| E-Mail: patrick.wallace@saint- | Make: | Neil Buchanan |
| gobain.com | | neil.buchanan@hollyfrontier.com |
| | | |

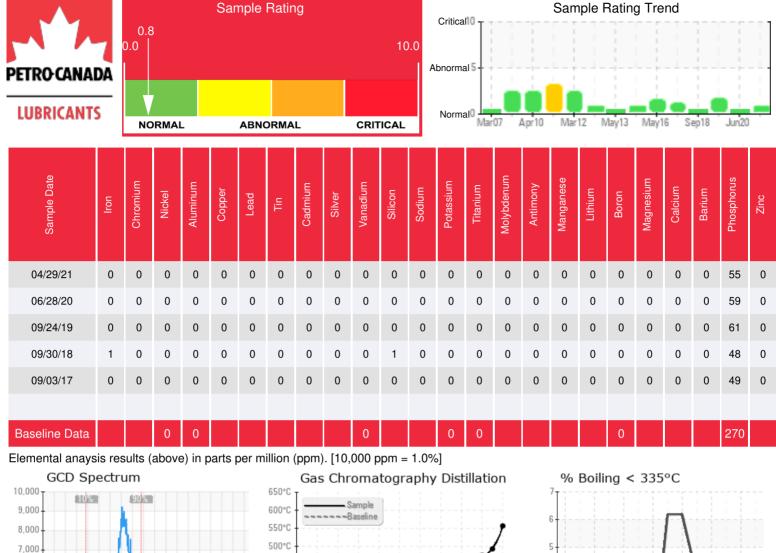
Recommendation: Flash Point is marginally low and will have it retested. Sample otherwise looks good and resample next interval to monitor.

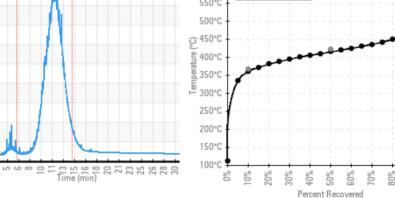
Comments: COC Flash Point is marginally low.

| 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 | % |
| 04/29/21 | 05/11/21 | 15.0y | | 370 / 188 | 11.0 | 26.2 | 0.02 | 0.039 | 680 / 360 | 779 / 415 | 878 / 470 | 4.53 |
| 06/28/20 | 06/29/20 | 0.0y | main system | 417 / 214 | 13.2 | 26.7 | 0.02 | 0.097 | 689 / 365 | 790 / 421 | 893 / 478 | 3.43 |
| 09/24/19 | 10/21/19 | 0.0y | MAIN SYSTEM FLOW | 363 / 184 | 7.1 | 26.4 | 0.032 | 0.116 | 699 / 371 | 794 / 424 | 895 / 479 | 1.69 |
| 09/30/18 | 10/10/18 | 0.0y | | 417 / 214 | 0.00 | 26.1 | 0.059 | 0.027 | 687 / 364 | 778 / 415 | 874 / 468 | 1.90 |
| 09/03/17 | 09/12/17 | 4.0y | MAIN SYSTEM FLOW | 374 / 190 | 0.00 | <mark>20.7</mark> | 0.027 | 0.042 | 682 / 361 | 785 / 419 | 891 / 477 | 3.93 |



Report ID: [02420349] (Generated: 05/17/2021 15:36:48) - Page 1 - Copyright 2021 Wearcheck Inc. All Rights Reserved.





(PA) 6,000

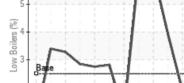
onse 5.000

Resp 4,000

3 000

2,000

1 000

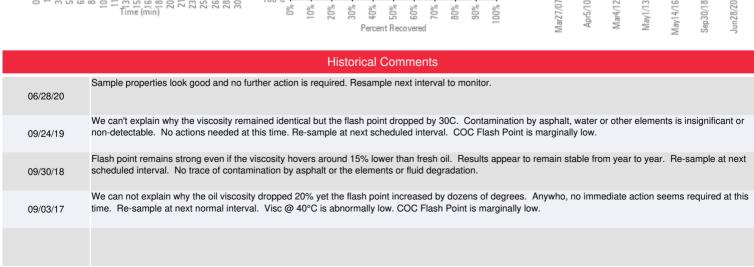


Mar4/12

May1/13

Jun28/20

Apr5/10



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