

NORTH HEATER

Customer: PTRHTF10043

MALARKY ROOFING PRODUCTS 3131 N. COLUMBIA BLVD PORTLAND, OR 97217 USA Attn: SCOTT MCDANIEL

Tel: (503)283-1191

Jun7/10 Feb18/12 Feb14/14

Jun 12/13

E-Mail: smcdaniel@malarkeyroofing.com

System Information

System Volume: 1500 gal

Bulk Operating Temp: 620F / 327C

Heating Source:

Blanket:

Fluid: PETRO CANADA CALFLO HTF

Make: AMERICAN HEATING

Sample Information

Lab No: 02346208 Analyst: Ron LeBlanc Sample Date: 03/18/20 Received Date: 03/27/20 Completed: 04/14/20

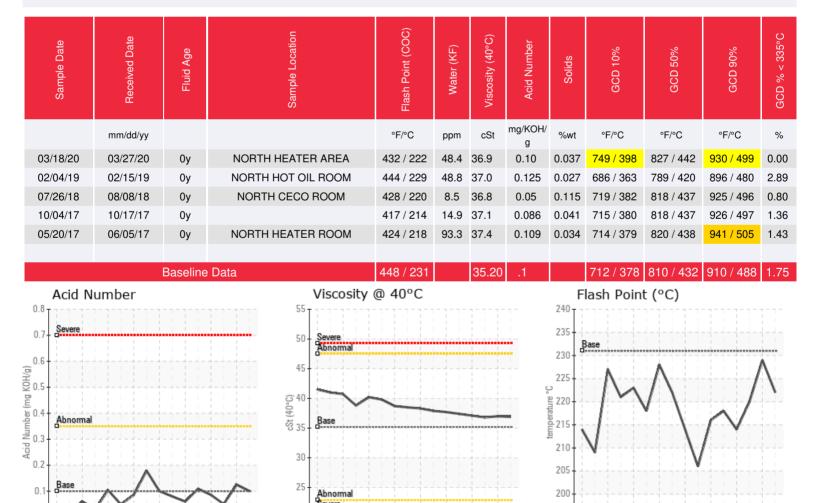
un12/13

Ron LeBlanc

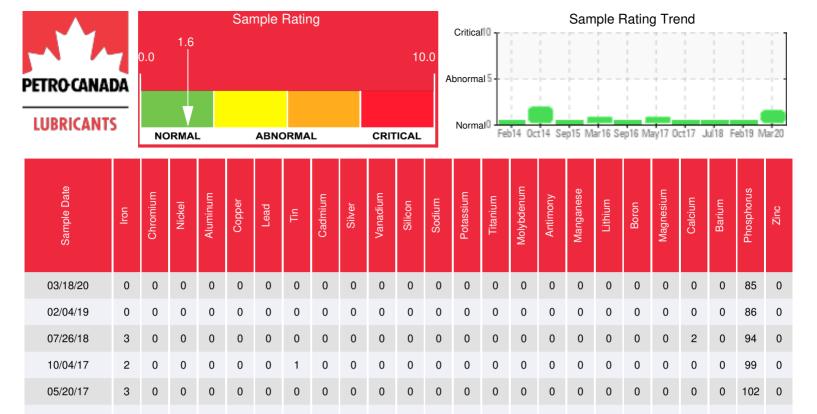
Ronald.LeBlancSr@petrocanadalsp.com

Recommendation: (GCD) 10% Distillation Point is marginally high. (GCD) 90% Distillation Point is marginally high. This sample was taken 13 months apart. Did the same person draw the sample. Take another sample in 3 months and make sure to purge oil from sample point before capturing the sample.

Comments: (GCD) 10% Distillation Point is marginally high. (GCD) 90% Distillation Point is marginally high.



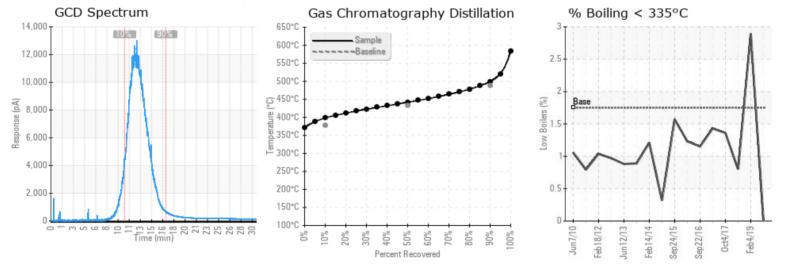
Jun7/10 Feb18/12 Jun12/13 Feb14/14



Elemental analysis results (above) in parts per million (ppm). [10,000 ppm = 1.0%]

0

Baseline Data



Historical Comments	
02/04/19	Sample appears normal. Re-sample in 4-6 months.
07/26/18	Sample appears normal. Pentane insoluble are elevated. Resample at normal interval and review the report for Pentane insoluble level.
10/04/17	Sample is normal. Resample at next scheduled interval.
05/20/17	(GCD) 90% Distillation Point is abnormally high. Water ppm has elevated significantly. Remove water and resample in 3 months. (GCD) 90% Distillation Point is abnormally high.

Petro-Canada makes no representation or warranty of any kind, either express or implied, as to the accuracy or completeness of the analysis and assumes no responsibility and shall have no liability whatsoever with respect to such analysis, or a party's use of it. Petro-Canada is a division of HollyFrontier Corporation.