



### [4-8-47-9W5] V4000 HEAT MEDIUM

**Customer: PTRHTF20263**  
 BARREL OIL CORP  
 505 3RD ST W  
 CALAGARY, AB T2P 3E6 Canada  
 Attn: Brad Holinaty  
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 E-Mail: brad.holinaty@barreloilcorp.com

**System Information**  
 System Volume: 5500 ltr  
 Bulk Operating Temp: 650F / 343C  
 Heating Source:  
 Blanket:  
 Fluid: NOCO NOCO HEAT TRANSFER OIL 21  
 Make: HEATTECH

**Sample Information**  
 Lab No: 02461908  
 Analyst: Yutong Gao  
 Sample Date: 12/01/21  
 Received Date: 12/14/21  
 Completed: 01/05/22  
 Yutong Gao  
 yutong.gao@hollyfrontier.com

Recommendation: The current Sunoco HTO 21 is in good conditions. The fluid viscosity, flash point and Acid Number are all normal. Please continue to operate.

Comments: (GCD) 90% Distillation Point is abnormally 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	%
12/01/21	12/14/21	36.0m	FILTER	468 / 242	14.4	38.1	0.01	0.023	732 / 389	825 / 441	896 / 480	0.88
Baseline Data				468 / 242		50.2			772 / 411	846 / 452	927 / 497	0.0



