



CORIX-BMDEU BIOMASS PLANT

Customer: PTRHTF20267	System Information	Sample Information
CORIX UTILITIES 8500 SOUTH CAMPUS RD BURNABY, BC V5A 1S6 Canada Attn: Django Lehner Tel: (604)209-3487 E-Mail: django.lehner@corix.com	System Volume: 20000 gal Bulk Operating Temp: 599F / 315C Heating Source: Blanket: Fluid: PETRO CANADA PETRO-THERM Make: WELLONS	Lab No: 02509205 Analyst: Ray Rolston Sample Date: 08/19/22 Received Date: 09/06/22 Completed: 09/12/22 Ray Rolston Ray.Rolston@HFSinclair.com

Recommendation: This sample of Petro-Therm is in 'like new' condition. No wear or contaminant metals are present. Water content is low at 161.5 ppm. The viscosity is close to fresh oil at 34.7 cSt @ 40 degrees C. The Acid Number (AN) is also similar to fresh oil at 0.02 mg KOH/g. Gas Chromatography Distillation (GCD) results are also like fresh oil. Resample in one year to monitor the fluid's condition.

Comments:

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	%
08/19/22	09/06/22	22.0m	OIL PUMP 3 STRAINER	428 / 220	161.5	34.7	0.02	0.026	740 / 393	821 / 438	907 / 486	0.29
Baseline Data				433 / 223		34.2	0.03		720 / 382	817 / 436	900 / 482	1.00



