



## TOA (TH)

Customer: PTRHTF60010	System Information	Sample Information
SYNLUBE INTERNATIONAL CO LTD 76/1 MOO.7 THACHIN MUANG SAMUTSAKHON, 74000 THAILAND Attn: CHERNPORN CHOBKUI Tel: 034421290 E-Mail: chernporn@synlube.co.th	System Volume: 16400 ltr Bulk Operating Temp: 554F / 290C Heating Source: Blanket: Fluid: MONSANTO THERMINOL 55 Make:	Lab No: 02250015 Analyst: Yutong Gao Sample Date: 10/26/18 Received Date: 11/07/18 Completed: 11/09/18

Recommendation: The 290 C bulk temperature is beyond the Therminol 55 capability. The current fluid has been severely thermal cracked and the light boiler reduces the oil flash point and viscosity a lot. The solid content is at severe level, please consider to replace the current fluid if the system has severe carbon deposit.

Comments: Pentane Insolubles levels are severely high. (GCD) % < 335°C is severely high. (GCD) 10% Distillation Point is severely low. COC Flash Point is 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	%
10/26/18	11/07/18	54m		244 / 118	39.0	12.5	0.067	0.761	564 / 295	688 / 364	789 / 420	21.00
Baseline Data				349 / 176		19.0	0.03		655 / 346		790 / 421	3.40



