

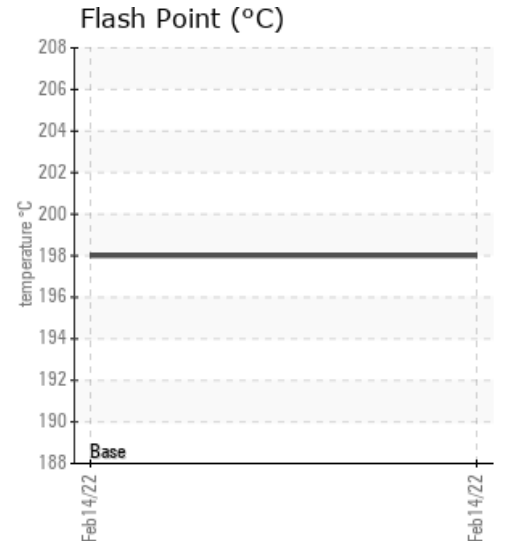
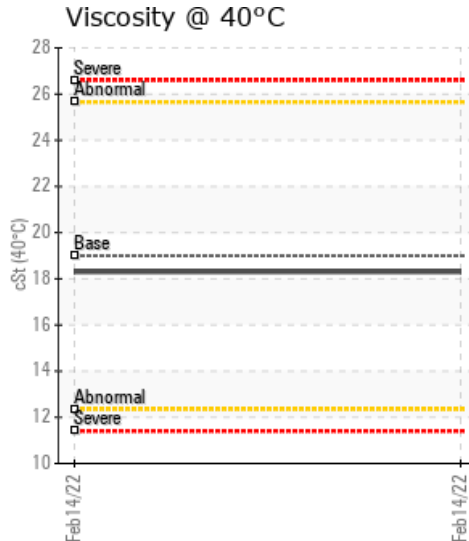
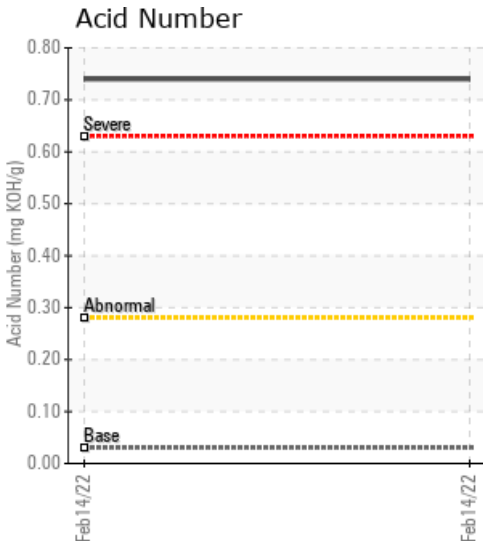
## AJPLAST.CO.TH NO. 10

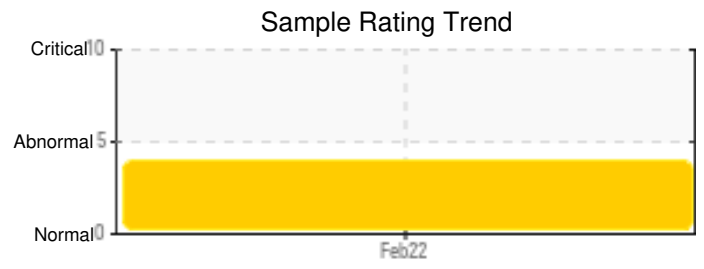
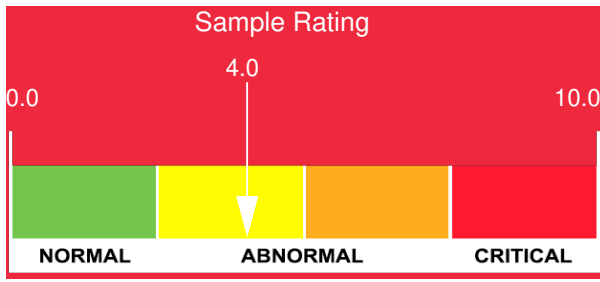
Customer: PTRHTF60010	System Information	Sample Information
SYNLUBE INTERNATIONAL CO LTD 76/1 MOO.7 THACHIN MUANG SAMUTSAKHON, 74000 THAILAND Attn: CHERNPORN CHOBKUI Tel: 034421290 E-Mail: chernporn@synlube.co.th	System Volume: 30000 ltr Bulk Operating Temp: 554F / 290C Heating Source: Blanket: Fluid: EASTMAN THERMINOL 55 Make: HOVEL	Lab No: 02477390 Analyst: Philip Riley Sample Date: 02/14/22 Received Date: 03/15/22 Completed: 03/21/22 Philip Riley philip.riley@hollyfrontier.com

Recommendation: Unfamiliar with the specific chemistry of this product coming from a competitor. However, I would highlight the high acid number of the product and the risk of fluid deterioration (further) and potential system issues. If you also look at the GCD of the sample, the graph shows evidence of thermal cracking.

Comments: Acid Number (AN) is severely high. (GCD) 90% Distillation Point is marginally high.

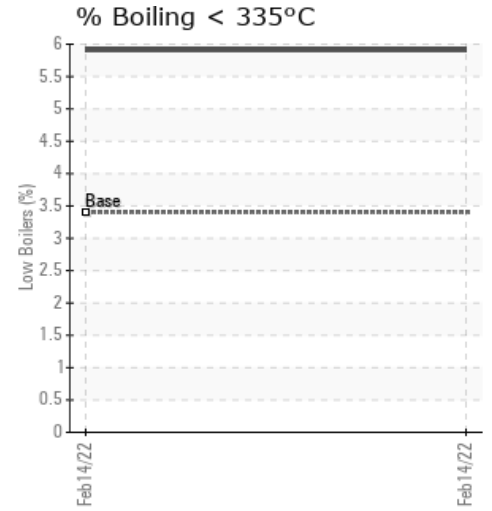
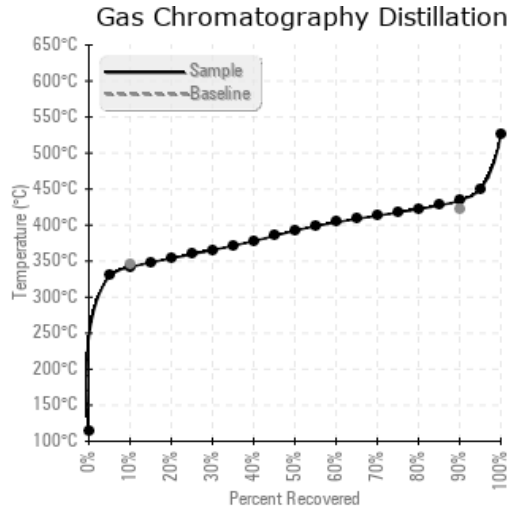
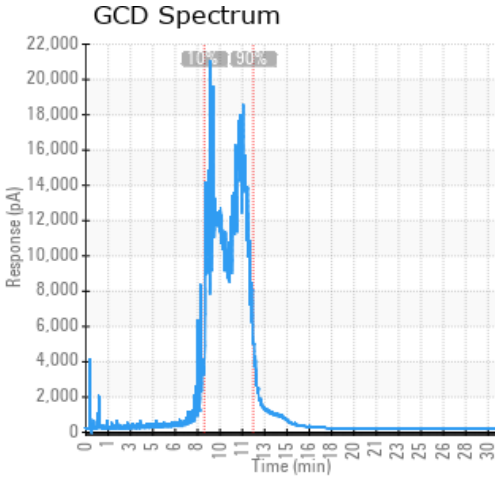
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
02/14/22	03/15/22	10.0y	supply and return	388 / 198	133.2	18.3	0.74	0.020	647 / 342	738 / 392	813 / 434	5.91
Baseline Data				349 / 176		19.0	0.03		655 / 346		790 / 421	3.40





Sample Date	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc	
02/14/22	21	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<b>Baseline Data</b>			0	0						0			0	0					0				0		

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



### Historical Comments


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