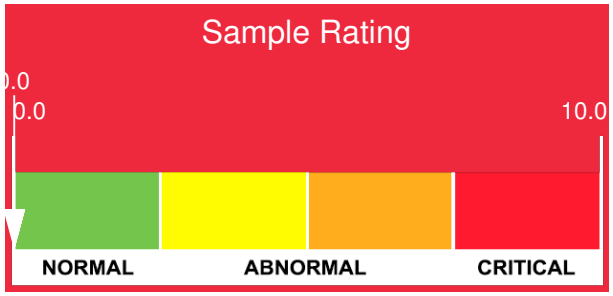
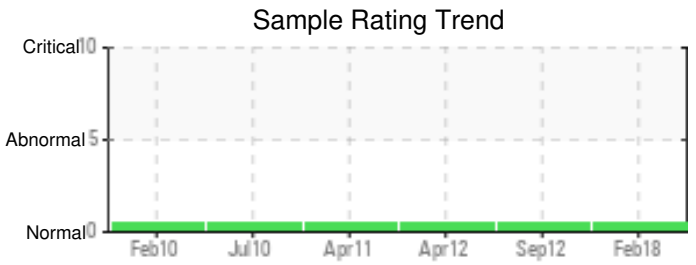




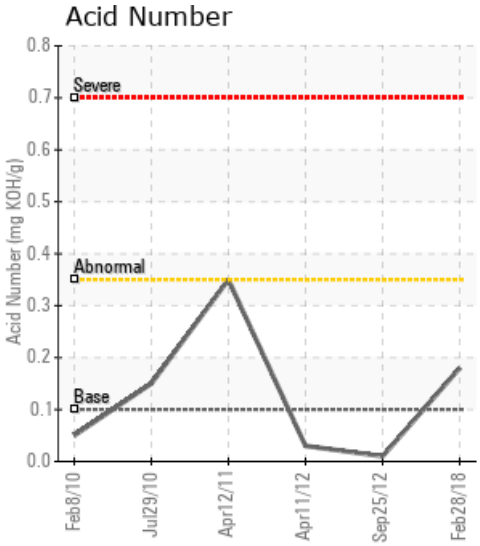
FULTON SKID

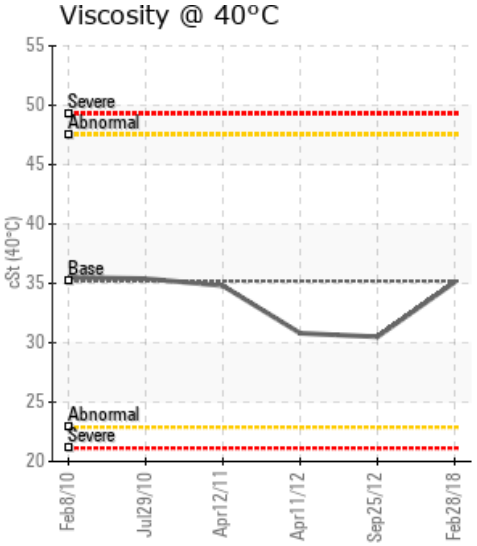
Customer: PTRHTF20087	System Information	Sample Information
Celanese Eva Performance Poly 4405-101 AVE. P.O. 428 EDMONTON, AB T5J 2K1 Canada Attn: Matthew Luimes Tel: (780)468-0823 E-Mail: matthew.luimes@celanese.com	System Volume: 820 ltr Bulk Operating Temp: 230F / 110C Heating Source: Blanket: Fluid: PETRO CANADA CALFLO HTF Make: FULTON	Lab No: 02202238 Analyst: Gordon Susinski Sample Date: 02/28/18 Received Date: 03/06/18 Completed: 03/08/18 To discuss this report contact Gordon Susinski at (587)582-4118

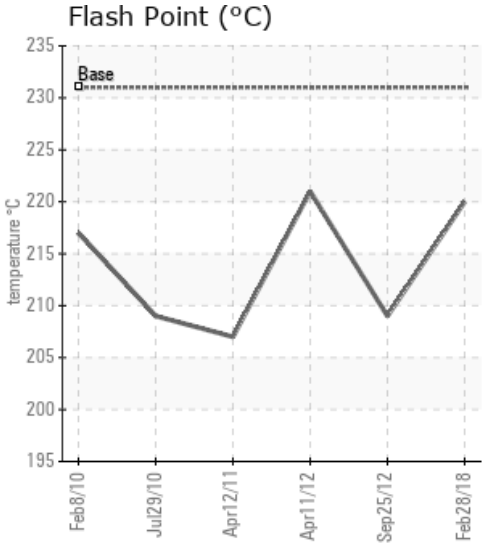
Recommendation: Results are normal.

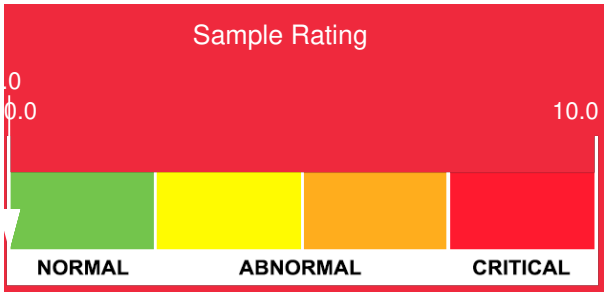
Comments:

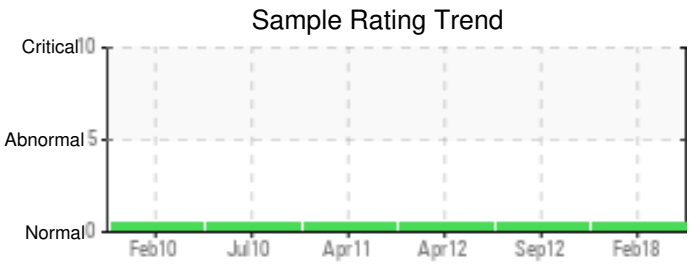
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
02/28/18	03/06/18	8m		428 / 220	7.0	35.1	0.18	0.036	713 / 379	785 / 418	894 / 479	0.00
09/25/12	10/23/12			408 / 209	6	30.5	0.01	0.013	700 / 371	803 / 428	904 / 484	3.426
04/11/12	04/12/12		BOTTOM DRAIN	430 / 221	22	30.8	0.03	0.024	706 / 374	806 / 430	903 / 484	2.846
04/12/11	04/14/11		BOTTOM DRAIN	405 / 207	106	34.8	0.35	0.039	722 / 383	813 / 434	916 / 491	0.893
07/29/10	08/03/10			408 / 209	39	35.4	0.15	0.012	711 / 377	806 / 430	909 / 487	1.198
02/08/10	03/16/10		PROCESS PIPE NEAR TA	423 / 217	9	35.5	0.05	0.014	707 / 375	798 / 425	891 / 477	1.526
Baseline Data				448 / 231		35.20	.1		712 / 378	810 / 432	910 / 488	1.75





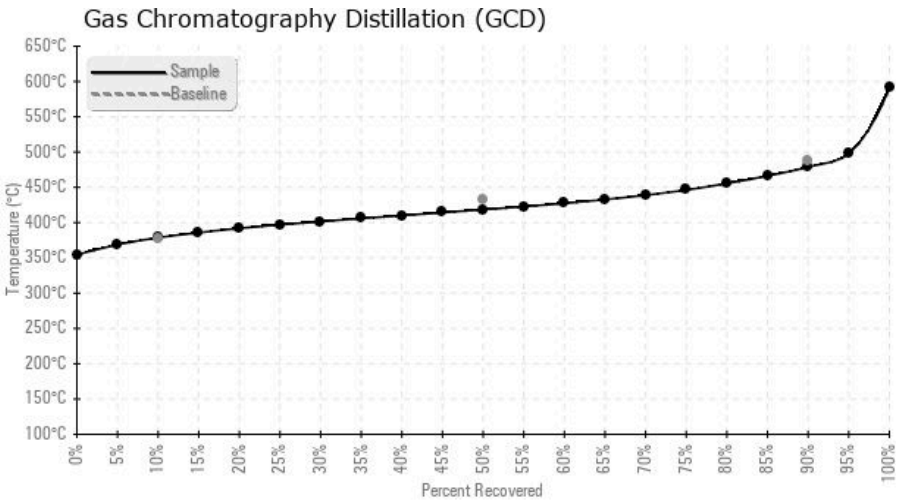


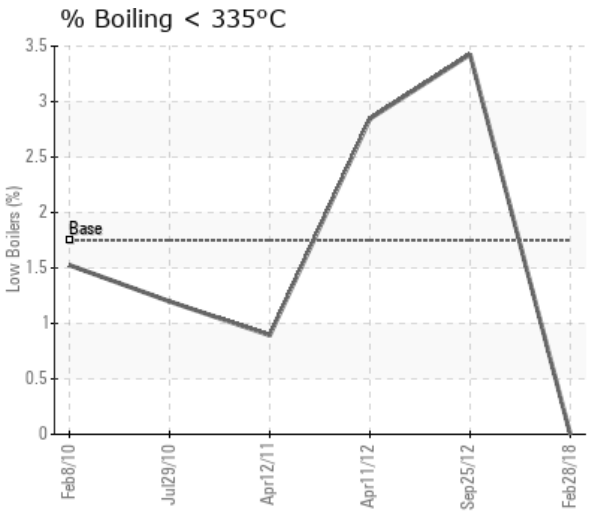




Sample Date	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
02/28/18	37	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	160	1
09/25/12	1	0	0	0	0	0	1	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	27	0
04/11/12	2	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	38	2
04/12/11	33	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	210	1
07/29/10	2	0	0	0	0	0	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	50	0
02/08/10	1	0	0	0	0	0	3	2	0	0	0	1	0	0	0	0	0	0	0	0	2	0	13	4
Baseline Data			0	0						0			0	0					0				280	

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





Historical Comments

09/25/12	We are noticing a trend suggetsing the fluid contains an increasing amount of low boilers from thermal degradation. The viscosity is diminishing, so is the initial boiling point (judging by the GCD 10%). We are recommending to reverse the trend by vent
04/11/12	The oil condition remains suitable for further use. However we are noticing quite a change in viscosity sine last year. We would suggest a sample at 6 months interval on this system
04/12/11	
07/29/10	The oil appears to be in great condition and is suitable for further use. Resample at next interval (6 months).
02/08/10	Everything looks perfect except the closed cup flash point, which may have had too little sample due to the limited amount of sample provided. If thi soil is not fresh it sure looks like fresh oil. Resmample with the other systems in about 6 months