

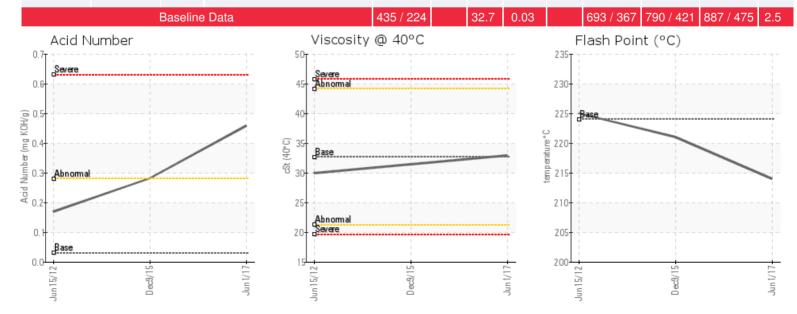
PASTE PLANT 2 HTF

Customer: PTRHTF60012	System Information	Sample Information			
TOMAGO ALUMINIUM COMPANY	System Volume: 0 gal	Lab No: 02162061			
638 TAMAGO ROAD, TOMAGO	Bulk Operating Temp: 225F / 107C	Analyst: Yutong Gao			
NEW SOUTH WALES	Heating Source:	Sample Date: 06/01/17			
NEWCASTLE, 2324 Australia	Blanket:	Received Date: 08/08/17			
Attn: KATE MANGAN/MAGALI GENDRE	Fluid: PETRO CANADA CALFLO AF	Completed: 08/29/17			
Tel: 249667018	Make:	To discuss this report contact Yutong			
E-Mail: kate.mangan@tomago.com.au		Gao at (403)873-1876			

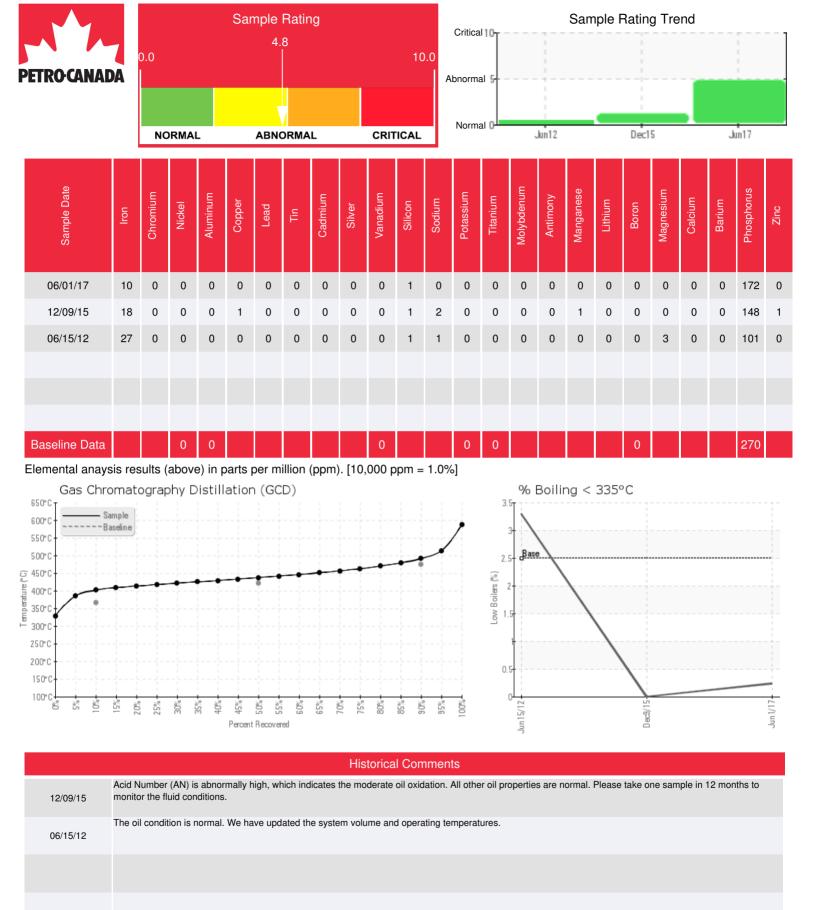
Recommendation: The current fluid has moderate oxidation, so that the AN number and GCD 10%, 50% and 90% have been increased. However, the fluid is still suitable for use. Please take one sample in 12 months to monitor the conditions.

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	%
06/01/17	08/08/17	0c	HEATER ROOM	417 / 214	48.5	32.9	0.458	0.233	755 / 402	819 / 437	916 / 491	0.23
12/09/15	12/29/15	0c		430 / 221	93.3	31.4	0.281	0.092	707 / 375	798 / 426	891 / 477	0.00
06/15/12	07/03/12			437 / 225	60	29.9	0.17	0.048	684 / 362	793 / 423	896 / 480	3.3



Report ID: [02162061] (Generated: 12/17/2017 22:59:39) - Page 1 - Copyright 2017 Wearcheck Inc. All Rights Reserved.



Petro-Canada makes no representation or warranty of any kind, either express or implied, as to the accuracy or completeness of the analysis and assumes no responsibility and shall have no liability whatsoever with respect to such analysis, or a party's use of it. Petro-Canada is a division of HollyFrontier Corporation.