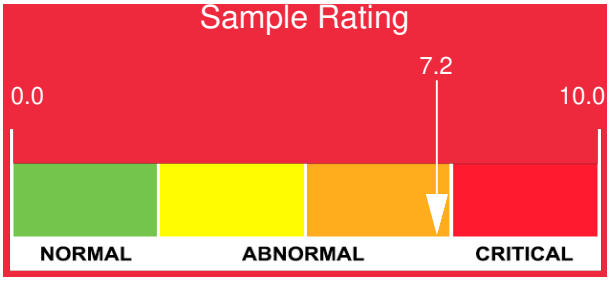
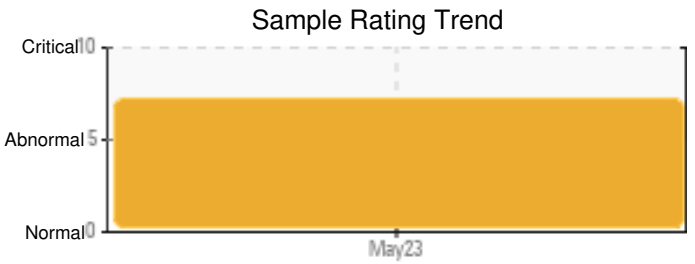




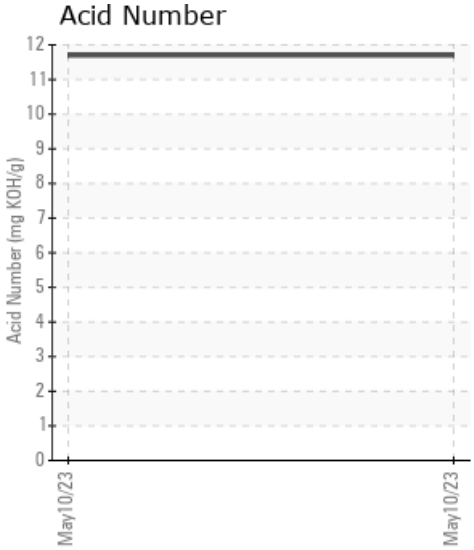
[CHATHAM ONT] MSSC QUENCH SYSTEM -FILTRATION UNIT

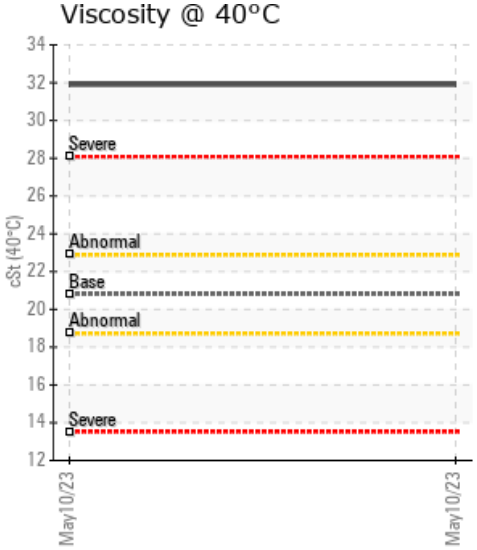
Customer:	System Information	Sample Information
CANADIAN CHEMICAL CLEANING 1099 HWY #6, R.R. #2 HAMILTON, ON L8N 2Z7 CA Attn: Len MacDonald Tel: (905)689-2266 E-Mail: len.macdonald@reladyne.com	System Volume: 1000 gal Bulk Operating Temp: 140F / 60C Heating Source: Blanket: Fluid: IDEMITSU DAPHNE QUENCH V-U Make:	Lab No: 02557677 Analyst: Bill Quesnel CLS,OMA II,MLA-III,LLA-I Sample Date: 05/10/23 Received Date: 05/15/23 Completed: 05/24/23 Bill Quesnel CLS,OMA II,MLA-III,LLA-I

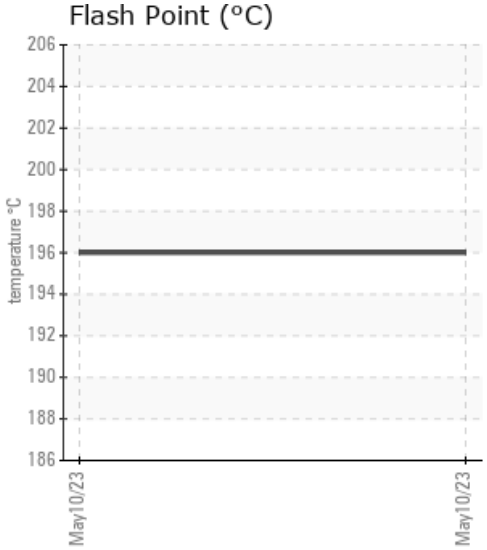
Recommendation: The acid number and viscosity is extremely high, indicating oxi-polymerized products. The SimDist appears normal, there are some degradation products (but the acid number tells us this). There is some light moisture, which should be removed to provide more optimal quenching. Flash point looks adequate ,however, the general rule of thumb is that the flash point should be 90°C above the temperature the fluid is being used at. Please confirm.

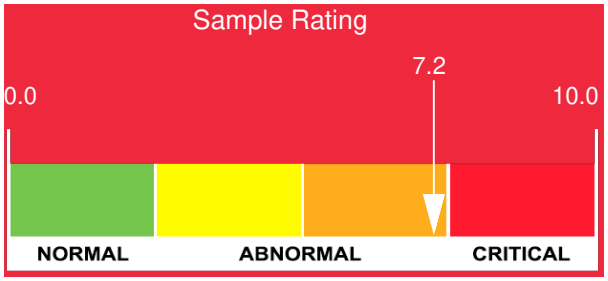
Comments: Water contamination levels are abnormally high. ppm Water contamination levels are abnormally high. Acid Number (AN) is severely high. Viscosity is severely high.

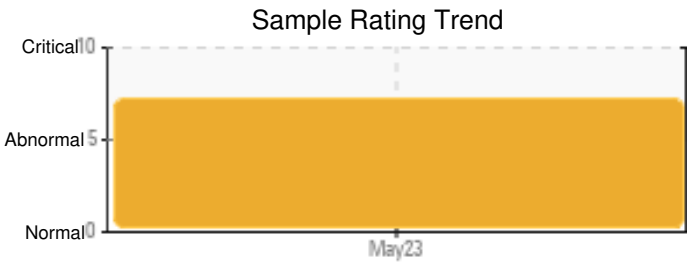
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
05/10/23	05/15/23	0.0h		385 / 196	650.7	31.9	11.7	0.263	688 / 365	771 / 411	867 / 464	4.22
Baseline Data				424 / 218		20.8						





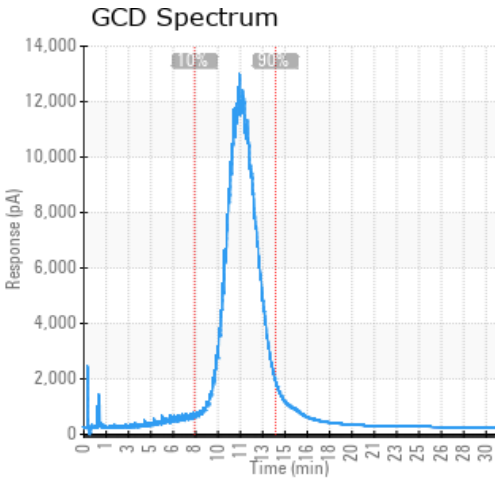


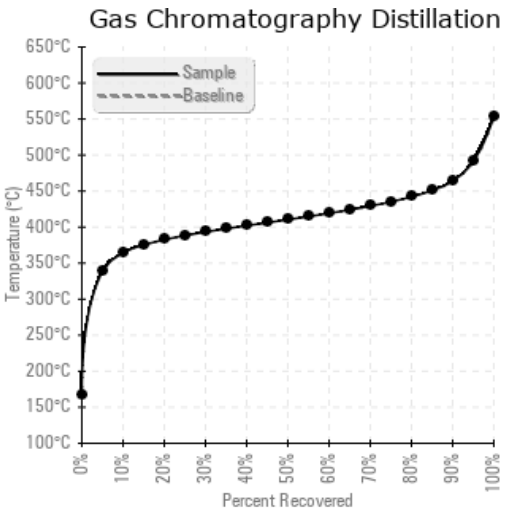


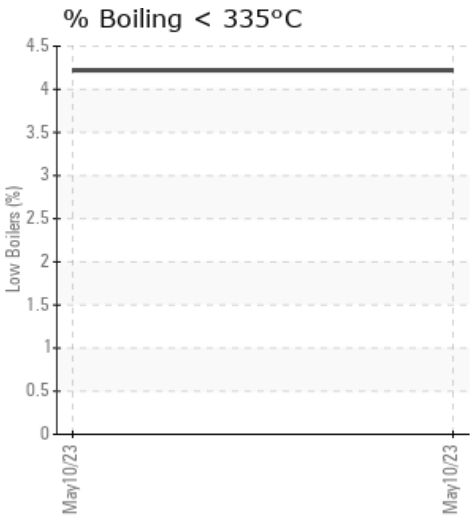


Sample Date	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
05/10/23	110	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	1	0	3	1	1	0	0	3
Baseline Data			0	0						0			0	0				0	0				0	

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







Historical Comments

