

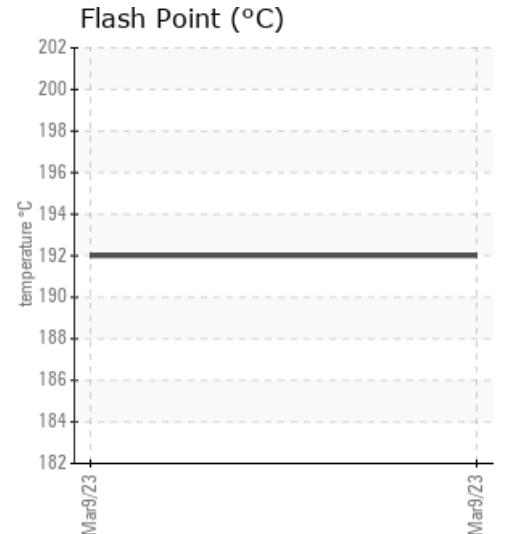
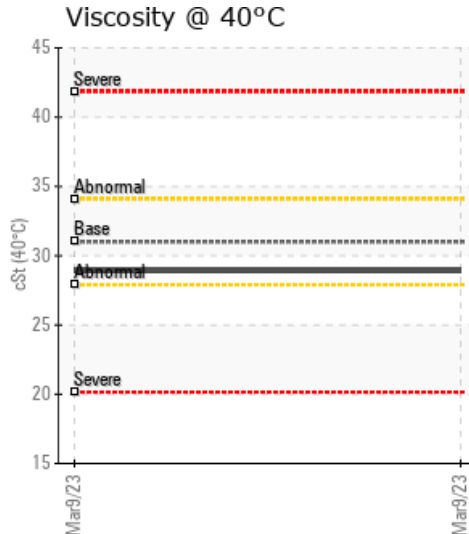
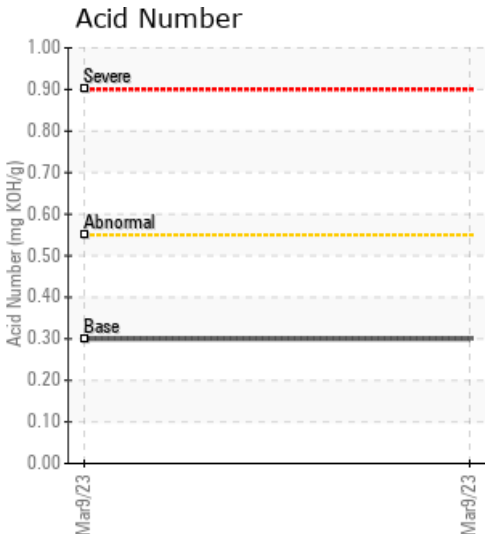
Small Niro

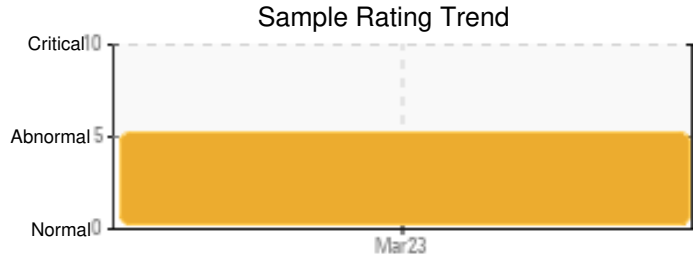
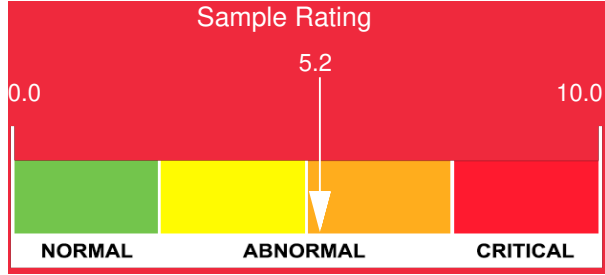
Customer: PTRHTF40138	System Information	Sample Information
SUPERIOR POWDERS FACTORY LANE, BASON BRIDGE SOMERSET ENGLAND, TA9 4RN UK Attn: Kevin O'Connor Tel: E-Mail:	System Volume: 1884 ltr Bulk Operating Temp: 572F / 300C Heating Source: Blanket: Fluid: GULF THERM 32 Make: Babcock Wanson	Lab No: 02547435 Analyst: Bill Quesnel CLS,OMA II,MLA-III,LLA-I Sample Date: 03/09/23 Received Date: 03/24/23 Completed: 03/29/23 Bill Quesnel CLS,OMA II,MLA-III,LLA-I

Recommendation: We recommend that you vent the expansion tank to remove low boilers which assists in restoring the flash point of the fluid. The fluid is suitable for further service. We recommend an early resample to monitor this condition.

Comments: Iron ppm levels are abnormal. Pentane Insolubles levels are severely high. Calcium ppm levels are abnormally high. (GCD) % < 335°C is marginally high. (GCD) 10% Distillation Point is marginally low. COC Flash Point is marginally low.

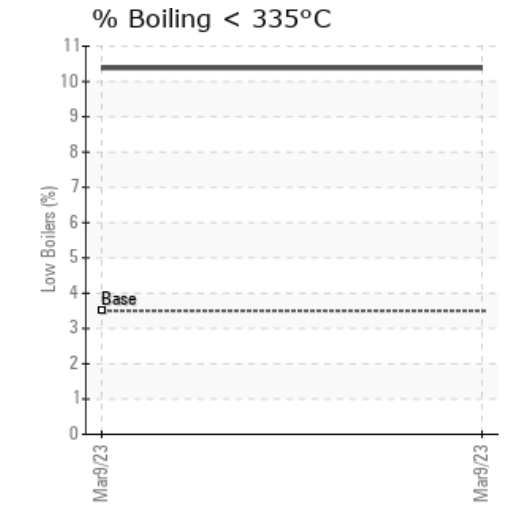
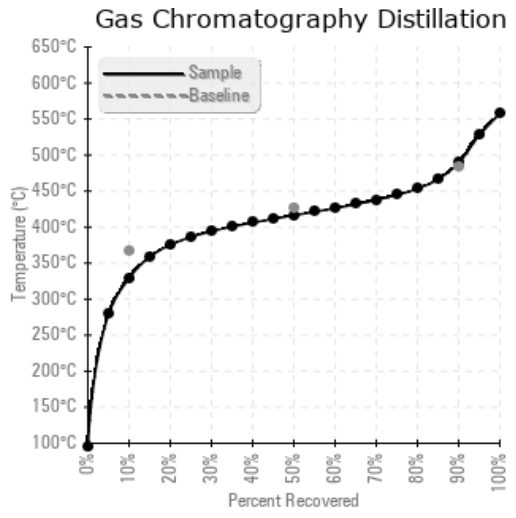
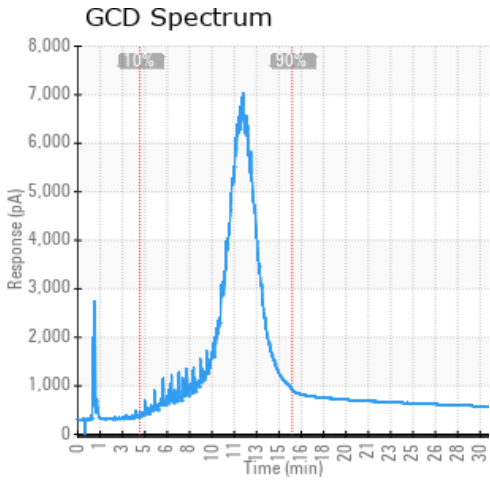
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
03/09/23	03/24/23	0.0h		378 / 192	32.6	28.9	0.30	0.683	624 / 329	782 / 416	912 / 489	10.38
Baseline Data				446 / 230		31.0	0.3		693 / 367	799 / 426	903 / 484	3.5





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
03/09/23	253	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	34	0	14	15
Baseline Data			0	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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