

# Oil Analysis Report



Amalina Technologies

Released Date: 2022-09-23 19:45:45



Asset Information	
Site: Lab 1	Location: Internal Testing
Asset: Chiller Services → Trane Oil → New 00022	Serial Number:
Manufacturer:	Model:
Component Type: Chiller, CFC	Asset Operating:
Sample Information	
Oil: 220VS	Oil Operating:
Draw Date: 2022-09-23 19:03:03	Top up:
Notes:	

Diagnosis/Recommendation
<p><b>Observations:</b></p> <p><b>Diagnostics:</b></p> <p><b>Actions:</b> Resample at regular interval</p> <p><b>Additional Recommendations:</b></p> <p style="text-align: right;"><b>Lab Supervisor:</b> _____</p>



Test Results			
TriVector	Parameter	Current Sample	Unit
	Sample ID	5933895-100017	
	Draw Date	2022-09-23 19:03:03	
	Oil	220VS	
	Asset Operating		hours
	Oil Operating		hours
	Oil Changed		
	Filter Changed		
	Top up		litres
	Alarm Code	✓	
⚙️	Iron	0.01	ppm
⚙️	Chrome	0.09	ppm
⚙️	Nickel	0.0	ppm
⚙️	Aluminium	0.32	ppm
⚙️	Lead	0.0	ppm
⚙️	Copper	0.0	ppm
⚙️	Tin	0.18	ppm
⚙️	Titanium	0.0	ppm
⚙️	Silver	0.0	ppm
⚙️	Antimony	0.0	ppm
⚙️	Cadmium	0.0	ppm
⚙️	Manganese	0.0	ppm
⚙️	Bismuth	0.0	ppm

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TriVector	Parameter	Current Sample	Unit
	Arsenic	0.0	ppm
	Indium	0.0	ppm
	Cobalt	0.0	ppm
	Zirconium	0.0	ppm
	Tungsten	0.0	ppm
	Cerium	0.0	ppm
	Total Ferrous	0.0	ppm
	Fatigue >20µm	3.0	part./ml
	Non-Metallic >20µm	4.0	part./ml
	Large Fe	0.0	ppm
	Fe Wear Severity Index	0.0	
	Total Fe < 100u	0.0	ppm
	Silicon	0.0	ppm
	Sodium	0.07	ppm
	Vanadium	0.0	ppm
	Potassium	0.0	ppm
	Lithium	0.0	ppm
	ISO 4406 Code (>4µm)	17.0	
	ISO 4406 Code (>6µm)	15.0	
	ISO 4406 Code (>14µm)	10.0	
	Cnts >4	784.3	part./ml
	Cnts >6	193.0	part./ml
	Cnts >14	8.0	part./ml
	Cutting >20µm	0.0	part./ml
	Sliding >20µm	0.0	part./ml
	Bubbles	1.23	
	Water	0.0	ppm
	Large Fe %	0.0	
	Molybdenum	0.24	ppm
	Calcium	0.0	ppm
	Magnesium	0.75	ppm
	Phosphorus	1.3	ppm
	Zinc	0.0	ppm
	Barium	0.0	ppm

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TriVector	Parameter	Current Sample	Unit
	Boron	0.0	ppm
	TAN	0.0	mg KOH/g
	Visc 40	60.0	cSt
	Fluid Integrity	149.9	

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## LNF Images



Fatigue



Non Metallic