

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

CRYOVAC UNIT 3

Vacuum Pump

{not provided} (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the brand and viscosity of the oil on your next sample.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

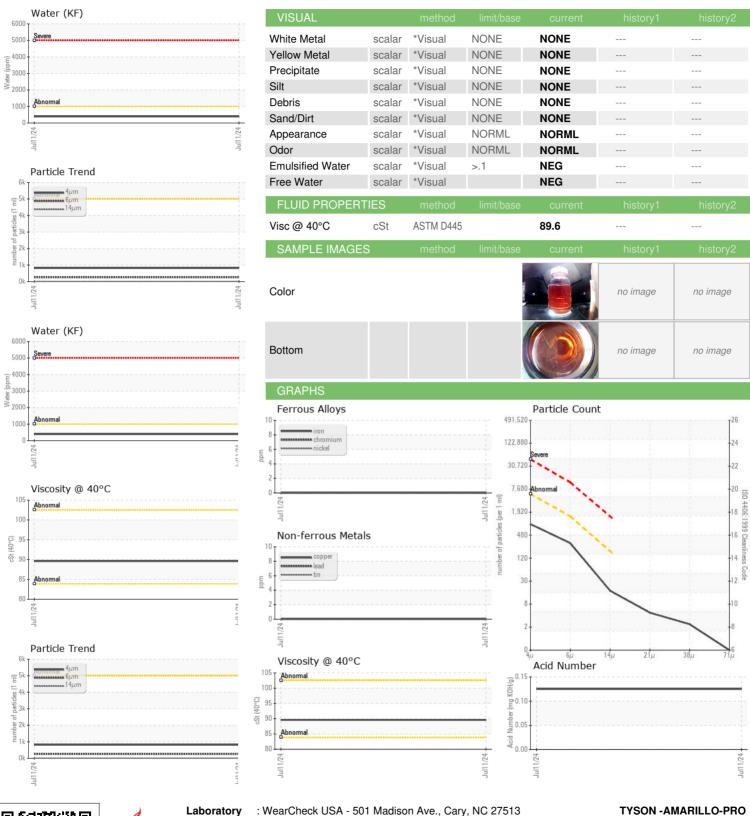
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

				Jul2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
		Client Info	mma sass	USPM37958		
Sample Number Sample Date		Client Info		11 Jul 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed	1110	Client Info		N/A		
Sample Status		Olioni inio		NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	nnm	ASTM D5185m	>20	0		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>20	0		
Titanium	ppm	ASTM D5185m	>20	0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	0		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>20	0		
Tin	ppm	ASTM D5185m	>20	0		
Vanadium	ppm	ASTM D5185m	720	0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		0		
Phosphorus	ppm	ASTM D5185m		823		
Zinc	ppm	ASTM D5185m		<1		
Sulfur	ppm	ASTM D5185m		160		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	4		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	0		
Water	%	ASTM D6304	>.1	0.039		
ppm Water	ppm	ASTM D6304	>1000	391		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	816		
Particles >6μm		ASTM D7647	>1300	260		
Particles >14μm		ASTM D7647	>160	15		
Particles >21µm		ASTM D7647	>40	4		
Particles >38μm		ASTM D7647	>10	2		
Particles >71μm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/15/11		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.125		



OIL ANALYSIS REPORT







Certificate 12367

Report Id: TYSAMAPRO [WUSCAR] 06233879 (Generated: 07/15/2024 10:57:02) Rev: 1

Sample No.

: USPM37958 Lab Number : 06233879 Unique Number : 11122713

Test Package : IND 2

Received : 11 Jul 2024

Tested : 15 Jul 2024 Diagnosed

: 15 Jul 2024 - Doug Bogart

AMARILLO, TX

LIS Contact: SERVICE MANAGER

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: SERVICE MANAGER ? - TYSAMAPRO

T:

F: