

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

BUSCH VP-13 (S/N 5603190)

Component Vacuum Pump

Fluid USPI VAC 100 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

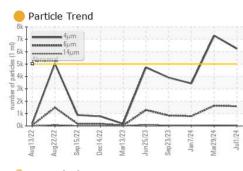
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

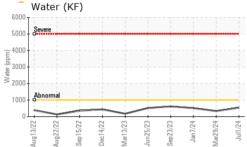
Sample Number Client Info USPM37989 USPM36551 USPM30557 Sample Date In Client Info 0 01 Jul 2024 29 Mar 2024 07 Jan 2024 Machine Age hrs Client Info 0 0 0 0 Oil Age hrs Client Info 0 0 0 0 Oil Changed Client Info N/A N/A N/A N/A Sample Status Int Int ATTENTION ATTENTION NORMAL WEAR METALS method imit/base current history1 history2 Iron ppm ASTM D5185m >20 0 0 <1 1 Nickel ppm ASTM D5185m >20 0 0 <1 1 Silver ppm ASTM D5185m >20 0 0 <1 1 Quentinum ppm ASTM D5185m >20 0 <1 1 1 Quend ppm<	SAMPLE INFORM
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Sulfur ppm ASTM D5185m O O O O	
CONTAMINANTS method limit/base current history1 history2	llfur
	CONTAMINANTS
Silicon ppm ASTM D5185m >15 3 2 2	icon
Sodium ppm ASTM D5185m <1	dium
Potassium ppm ASTM D5185m >20 1 3 <1	otassium
Water % ASTM D6304 >.1 0.053 0.033 0.051	ater
ppm Water ppm ASTM D6304 >1000 537 334 514	m Water
FLUID CLEANLINESS method limit/base current history1 history2	LUID CLEANLINE
Particles >4μm ASTM D7647 >5000 6232 7292 3433	ırticles >4µm
Particles >6μm ASTM D7647 >1300 ● 1588 ● 1636 789	ırticles >6μm
Particles >14μm ASTM D7647 >160 52 67 39	ırticles >14μm
Particles >21μm ASTM D7647 >40 5 14 8	ırticles >21μm
Particles >38μm ASTM D7647 >10 0 2	ırticles >38μm
Particles >71μm ASTM D7647 >3 0 0 0	ırticles >71μm
Oil Cleanliness ISO 4406 (c) >19/17/14 20/18/13 20/18/13 19/17/12	l Cleanliness
FLUID DEGRADATION method limit/base current history1 history2	LUID DEGRADA
Acid Number (AN) mg KOH/g ASTM D8045 0.05 0.134 0.28 0.22	id Number (AN)

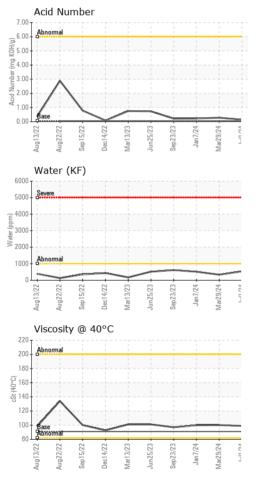
Contact/Location: SERVICE MANAGER ? - TYSAMAPRO



OIL ANALYSIS REPORT

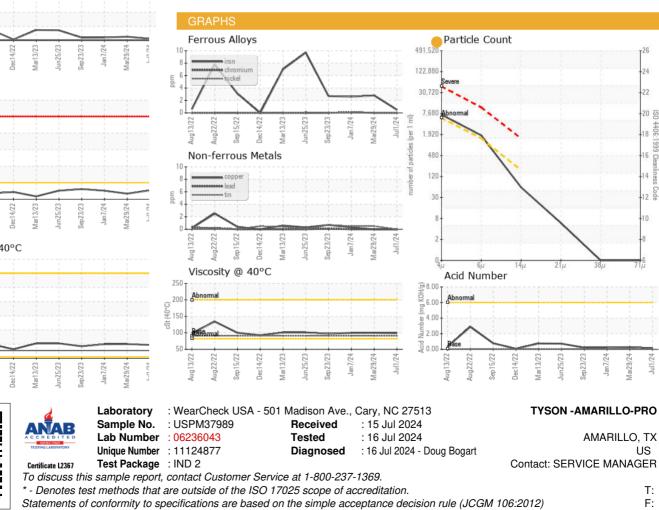






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	91	98.9	100	99.8
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color					A CONTRACT OF A	A REAL

Bottom



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