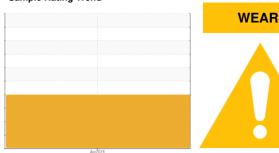


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

M-362 - NORTH MILL

Air Compressor

USPI AIR 46 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

The aluminum level is abnormal. All other component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

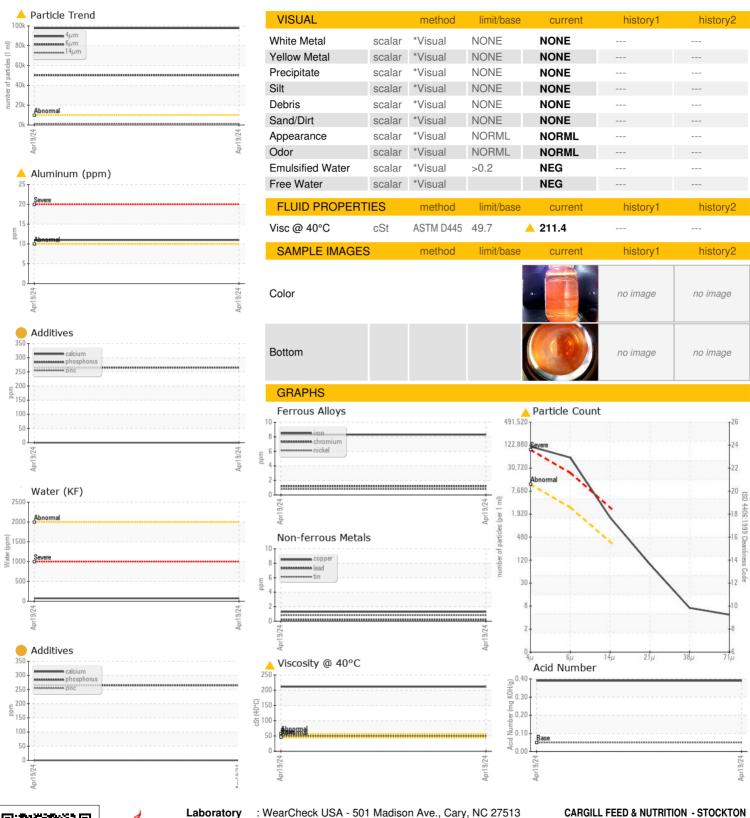
Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. Viscosity of sample indicates oil is within ISO 220 range, advise investigate. Confirm oil type. The AN level is acceptable for this

				Apr2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM36317		
Sample Date		Client Info		19 Apr 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	8		
Chromium	ppm	ASTM D5185m	>4	1		
Nickel	ppm	ASTM D5185m	>4	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>10	<u> </u>		
Lead	ppm	ASTM D5185m	>20	<1		
Copper	ppm	ASTM D5185m	>40	1		
Tin	ppm	ASTM D5185m	>5	<1		
Vanadium	ppm	ASTM D5185m		2		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	2		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	0	<1		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	0	1		
Calcium	ppm	ASTM D5185m	0	0		
Phosphorus	ppm	ASTM D5185m	1	265		
Zinc	ppm	ASTM D5185m	0	0		
Sulfur	ppm	ASTM D5185m	0	225		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3		
Sodium	ppm	ASTM D5185m		37		
Potassium	ppm	ASTM D5185m	>20	9		
Water	%	ASTM D6304	>0.2	0.007		
ppm Water	ppm	ASTM D6304		73		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	97682		
Particles >6µm		ASTM D7647	>2500	50164		
Particles >14µm		ASTM D7647	>320	1384		
Particles >21µm		ASTM D7647	>80	A 83		
Particles >38µm		ASTM D7647	>20	6		
Particles >71µm		ASTM D7647	>4	4		
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u>4</u> 24/23/18		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	0.39		



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No. : USPM36317 Lab Number : 06194630 Unique Number : 11056753

Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 29 May 2024 **Tested**

: 03 Jun 2024 Diagnosed : 03 Jun 2024 - Jonathan Hester

4344 S EL DORADO ST STOCKTON, CA US 95201

Contact: Matt Sadler matthew_sadler@cargill.com

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

T:

F: