

## **OIL ANALYSIS REPORT**

Sample Rating Trend

Machine Id L-4 2ND C-7167 Component Pump Fluid USPI VAC 100 (--- GAL)

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

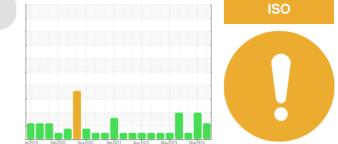
#### Contamination

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 INFORM	<b>IATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM37855	USPM36879	USPM31609
Sample Date		Client Info		24 Jun 2024	19 Mar 2024	24 Dec 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ATTENTION	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	0	0	0
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>7	0	0	0
Lead	ppm	ASTM D5185m	>12	0	0	0
Copper	ppm	ASTM D5185m	>30	0	0	0
Tin	ppm	ASTM D5185m	>9	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	0	0	0	0
Calcium	ppm	ASTM D5185m	0	0	0	<1
Phosphorus	ppm	ASTM D5185m	1800	1761	1738	1728
Zinc	ppm	ASTM D5185m	0	0	0	0
Sulfur	ppm	ASTM D5185m	0	44	15	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	<1	2	<1
Sodium	ppm	ASTM D5185m		<1	0	0
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water	%	ASTM D6304	>.1	0.089	0.046	0.033
ppm Water	ppm	ASTM D6304	>1000	898	467	331
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	6434	7893	1470
Particles >6µm		ASTM D7647	>1300	<u> </u>	2203	460
Particles >14µm		ASTM D7647	>160	158	238	42
Particles >21µm		ASTM D7647	>40	25	80	14
Particles >38µm		ASTM D7647	>10	2	4	2
Particles >71µm		ASTM D7647	>3	1	1	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<mark>)</mark> 20/18/14	20/18/15	18/16/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	0.24	0.19	0.12





# **OIL ANALYSIS REPORT**

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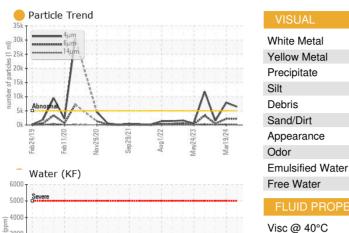
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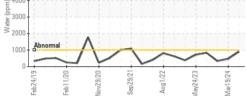
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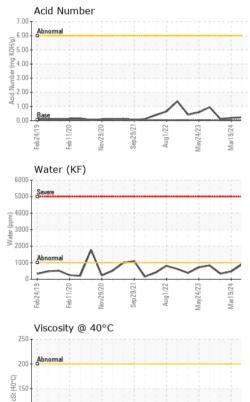
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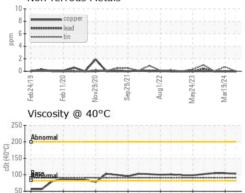




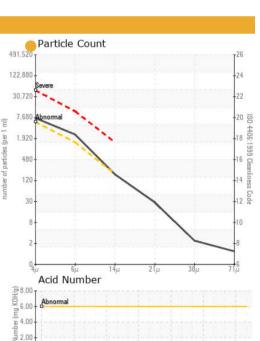
Aug1/22 - May24/23 - Mar19/24 -	Color	
	Bottom	
~	GRAPHS	
Aug1/22 May24/23 Mar19/24	Ferrous Alloys	
	Feb24/19 Feb11/20 Nov29/20 Sep29/21 Aug1/22 Mar/24/23 Mar/24/23	Total and the second
	Non-ferrous Metals	
	8 copper	

FLUID PROPERTIES

SAMPLE IMAGES



10/6Cue



ep29/2



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Feb24/1



Mar19/24

Mav24/23

Received : 25 Jun 2024 Tested : 26 Jun 2024 Diagnosed : 26 Jun 2024 - Doug Bogart

Aav24/23

Mar19/24

Aug1/22

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Feb 1

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

1/20

Feb11

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

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

T: F:

Aug 1/22

Contact/Location: ? ? - SMIGRAKY

**SMITHFIELD FOODS - GRAYSON** 800 C W STEVENS BLVD GRAYSON, KY US 41143 Contact: