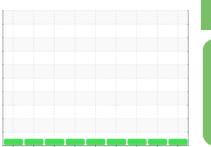


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

HAARSLEV COOKER (S/N 37803-6)

Component **Gearbox**

USPI GEAR 320 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

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.

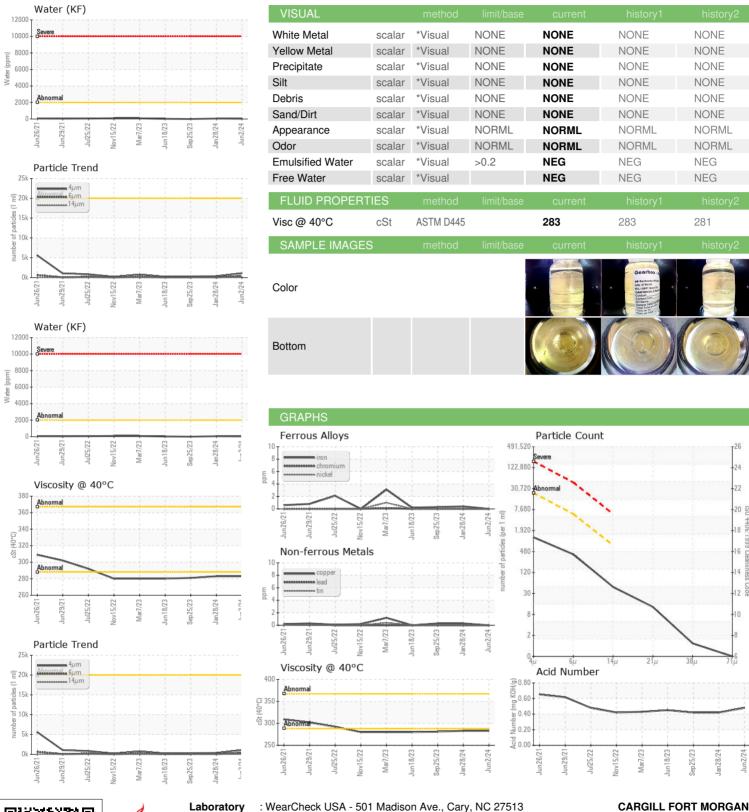
Fluid Condition

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

		Jun2021 Jun	2021 Jul2022 Nov2022	Mar2023 Jun2023 Sep2023 Jan20	24 Jun2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM36399	USPM30795	USPM29821
Sample Date		Client Info		02 Jun 2024	28 Jan 2024	25 Sep 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				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	0	<1	<1
Chromium	ppm	ASTM D5185m	>15	0	0	0
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	1	<1	0
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	0	<1	<1
Tin	ppm	ASTM D5185m	>25	0	0	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
Barium	ppm	ASTM D5185m		0	0	2
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		5	0	3
Phosphorus	ppm	ASTM D5185m		282	212	201
Zinc	ppm	ASTM D5185m		2	0	8
Sulfur	ppm	ASTM D5185m		5994	6354	6387
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	0	<1	<1
Sodium	ppm	ASTM D5185m		<1	0	0
Potassium	ppm	ASTM D5185m	>20	0	0	<1
Water	%	ASTM D6304		0.003	0.005	0.001
ppm Water	ppm	ASTM D6304	>2000	31.2	57	0.00
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>20000	1081	332	293
Particles >6µm		ASTM D7647	>5000	351	72	89
Particles >14µm		ASTM D7647	>640	41	7	10
Particles >21µm		ASTM D7647	>160	11	3	3
Particles >38µm		ASTM D7647	>40	1	0	1
Particles >71μm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	17/16/13	16/13/10	15/14/10
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.48	0.42	0.42



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number : 06197708

: USPM36399 Unique Number : 11059831 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 03 Jun 2024 **Tested** : 10 Jun 2024

Diagnosed : 10 Jun 2024 - Doug Bogart

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)

Contact/Location: JOE ROSENFIELD - CARFORCOL

US 80701

T:

F:

1505 E BURLINGTON AVE

Contact: JOE ROSENFIELD

FORT MORGAN, CO