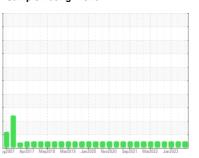


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



3 PRE-BREAK (S/N 10031023)

Component

Gearbox

USPI 3206-EP (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Moor

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.

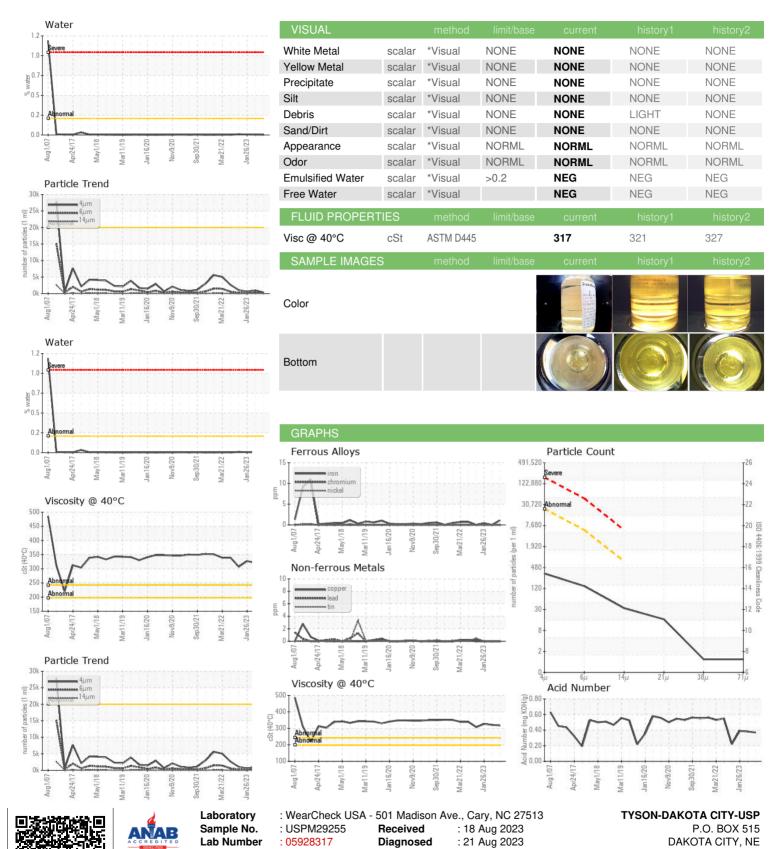
Fluid Condition

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

₁₀ 2007 A ₀ 2017 M ₁₀ 2018 M ₁₀ 2019 J ₀₀ 2020 N ₀ 2020 S ₀₀ 2021 M ₀ 2022 J ₀₀ 2023						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM29255	USPM28872	USPM26210
Sample Date		Client Info		19 Aug 2023	11 May 2023	26 Jan 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	1	0	<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	0	<1	<1
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	0	0	0
Tin	ppm	ASTM D5185m	>25	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	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	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		1	10	0
Calcium	ppm	ASTM D5185m		1	0	0
Phosphorus	ppm	ASTM D5185m		444	503	469
Zinc	ppm	ASTM D5185m		6	13	3
Sulfur	ppm	ASTM D5185m		3302	3727	3349
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	0	<1	<1
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m	>20	0	4	0
Water	%	ASTM D6304	>0.2	0.003	0.004	0.006
ppm Water	ppm	ASTM D6304		32.2	44.8	69.8
FLUID CLEANLIN	IESS _	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>20000	283	905	549
Particles >6µm		ASTM D7647	>5000	124	293	142
Particles >14µm		ASTM D7647	>640	29	46	11
Particles >21µm		ASTM D7647	>160	14	22	2
Particles >38µm		ASTM D7647	>40	1	12	0
Particles >71μm		ASTM D7647	>10	1	10	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	15/14/12	17/15/13	16/14/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.37	0.38	0.39



OIL ANALYSIS REPORT



Certificate L2367

Unique Number

Test Package

: 10608264

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.

: IND 2

: Doug Bogart

Diagnostician

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

US 68731

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