

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id **CHLORIDE TEST** Component Gearbox Fluid

MIXED (--- GAL)

Recommendation

Resample at the next service interval to monitor. Chlorine 0.0 ppm.

Wear

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.

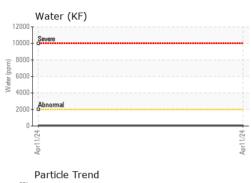
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0006470		
Sample Date		Client Info		11 Apr 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	2		
Chromium	ppm	ASTM D5185m	>15	<1		
Nickel	ppm	ASTM D5185m	>15	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	2		
Lead	ppm	ASTM D5185m	>100	<1		
Copper	ppm	ASTM D5185m	>200	<1		
Tin	ppm	ASTM D5185m	>25	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		3		
Phosphorus	ppm	ASTM D5185m		285		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		328		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	2		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	<1		
Chlorine Content	ppm	ASTM D5185m		0.000		
Water	%	ASTM D6304	>0.2	0.003		
ppm Water	ppm	ASTM D6304	>2000	36		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	2064		
Particles >6µm		ASTM D7647	>5000	550		
Particles >14µm		ASTM D7647	>640	38		
Particles >21µm		ASTM D7647	>160	6		
Particles >38µm		ASTM D7647	>40	0		
Particles >71µm		ASTM D7647	>10	0		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	18/16/12		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN) :42:51) Rev: 2	mg KOH/g	ASTM D8045		0.165 Contact/Location		

Acid Number (AN) Report Id: TYSWAV [WUSCAR] 06159160 (Generated: 04/26/2024 13:42:51) Rev: 2

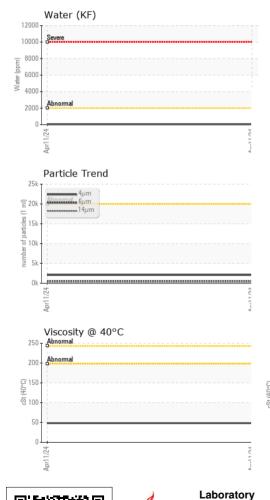
Contact/Location: KURT CONRADT - TYSWAV Page 1 of 2

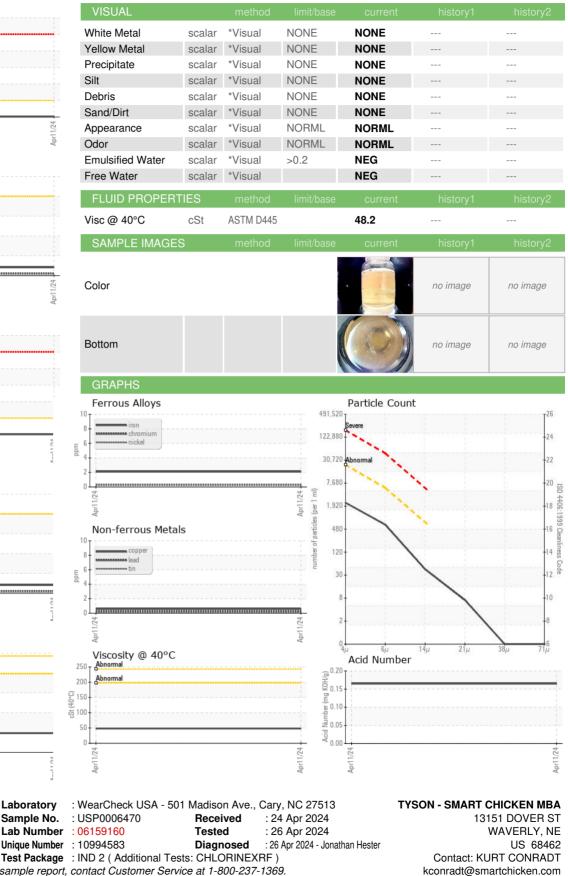


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To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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

Certificate 12367

Sample No.

Contact/Location: KURT CONRADT - TYSWAV

E:

T: (402)786-1072