

OIL ANALYSIS REPORT

Area [MX_A NORTH] NOT GIVEN USP0011774 (S/N NO INFO ON SIF/BOTTLE) Component

Gearbox

Fluid GEAR OIL ISO 220 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

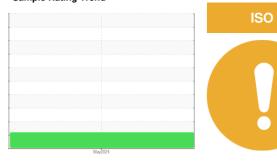
All component wear rates are normal.

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	ΛΑΤΙΟΝ	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0011774		
Sample Date		Client Info		10 May 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ATTENTION		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	25		
Chromium	ppm	ASTM D5185m	>15	0		
Nickel	ppm	ASTM D5185m	>15	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>25	0		
Lead	ppm	ASTM D5185m	>100	0		
Copper	ppm	ASTM D5185m	>200	<1		
Tin	ppm	ASTM D5185m	>25	0		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	0		
Barium	ppm	ASTM D5185m	15	0		
Molybdenum	ppm	ASTM D5185m	15	0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	50	0		
Calcium	ppm	ASTM D5185m	50	0		
Phosphorus	ppm	ASTM D5185m	350	443		
Zinc	ppm	ASTM D5185m	100	0		
Sulfur	ppm	ASTM D5185m	12500	937		
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	3		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	0		
Water	%	ASTM D6304	>0.2	0.003		
ppm Water	ppm	ASTM D6304	>2000	34		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	6 32398		
Particles >6µm		ASTM D7647	>5000	<mark> </mark> 8278		
Particles >14µm		ASTM D7647	>640	494		
Particles >21µm		ASTM D7647		117		
Particles >38µm		ASTM D7647	>40	5		
Particles >71µm		ASTM D7647	>10	1		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	e 22/20/16		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	ma KOH/a	ASTM D8045	0.85	0.55		

Acid Number (AN)

mg KOH/g ASTM D8045 0.85

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Sample Rating Trend



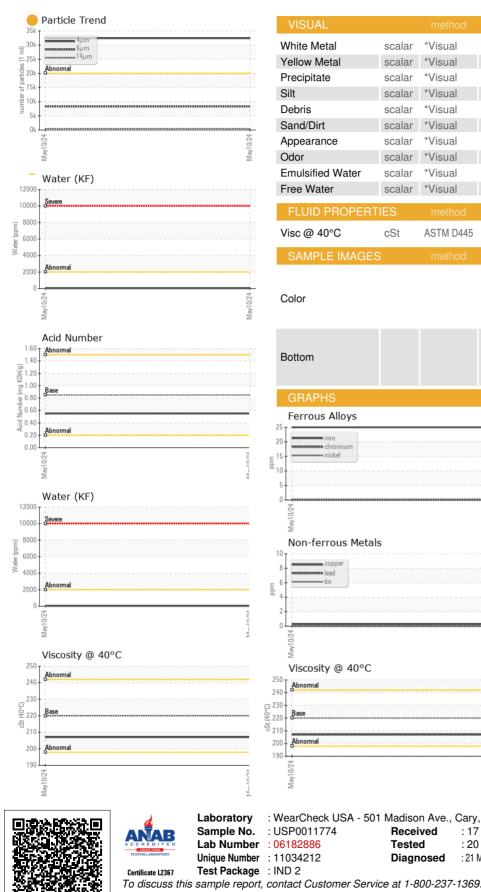
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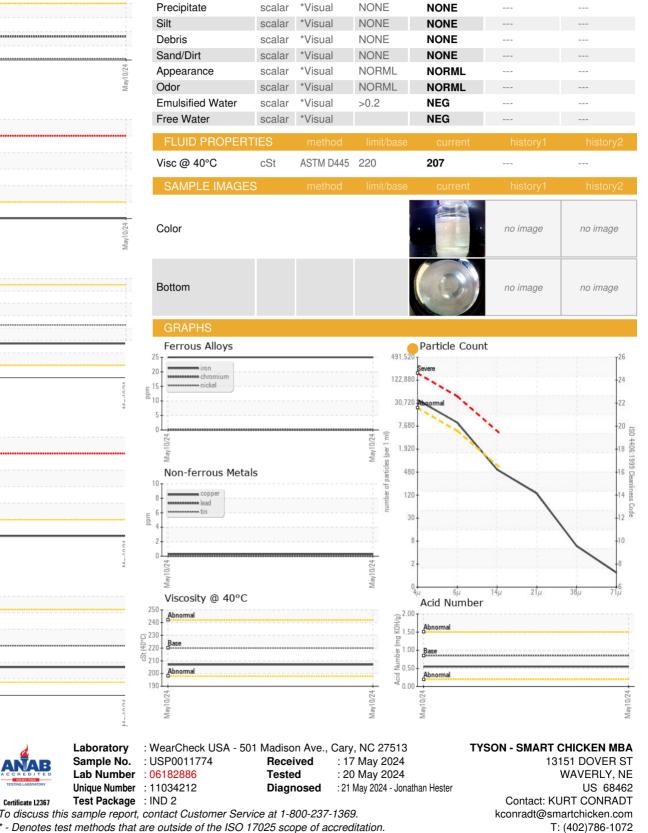
*Visual

*Visual

NONE

NONE





NONE

NONE

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

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