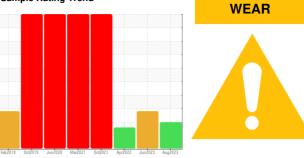


OIL ANALYSIS REPORT

Sample Rating Trend



METRO 20004 Component Transmission (Manual) Fluid NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample.

A Wear

Bearing and/or bushing wear is indicated. Torque converter wear is indicated.

Contamination

Moderate concentration of visible dirt/debris present in the fluid.

Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0843175	WC0828734	WC0692941
Sample Date		Client Info		07 Aug 2023	26 Jun 2023	09 Apr 2022
Machine Age	mls	Client Info		421284	409990	269507
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	157	171	113
Chromium	ppm	ASTM D5185m	>5	1	1	<1
Nickel	ppm	ASTM D5185m	>5	0	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>7	0	0	<1
Aluminum	ppm	ASTM D5185m	>25	<u> </u>	▲ 362	A 256
Lead	ppm	ASTM D5185m	>45	0	<1	<1
Copper	ppm	ASTM D5185m	>225	22	25	19
Tin	ppm	ASTM D5185m	>10	5 2	<u> </u>	44
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		272	332	298
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		4	4	3
Magnesium	ppm	ASTM D5185m		3	3	4
Calcium	ppm	ASTM D5185m		50	56	54
Phosphorus	ppm	ASTM D5185m		1104	1214	1202
Zinc	ppm	ASTM D5185m		9	18	10
Sulfur	ppm	ASTM D5185m		1695	1370	1129
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>125	24	26	28
Sodium	ppm	ASTM D5185m		3	<1	<1
Potassium	ppm	ASTM D5185m	>20	6	9	7
Water	%	ASTM D6304	>0.1	0.049	0.073	0.059
ppm Water	ppm	ASTM D6304	>1000	492.6	739.0	595.3
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000		▲ 290563	
Particles >6µm		ASTM D7647			<u> </u>	
Particles >14µm		ASTM D7647	>320		289	
Particles >21µm		ASTM D7647	>80		27	
Particles >38µm		ASTM D7647	>20		0	
Particles >71µm		ASTM D7647			0	
Oil Cleanliness		ISO 4406 (c)	>20/18/15		▲ 25/25/15	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN) 56:05) Rev: 1	mg KOH/g	ASTM D8045	Contact	3.49	3.59 INA CREDARO	4.06

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Contact/Location: GIANNA CREDAROLI - BASTARHD



OIL ANALYSIS REPORT

Color

Bottom

