

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Area MET EXPRESS MET EXPRESS 23016 Component

Transmission (Manual) Fluid SAE 80 (--- GAL)

DIAGNOSIS

A Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the fluid.

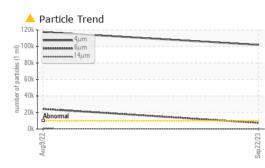
Fluid Condition

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

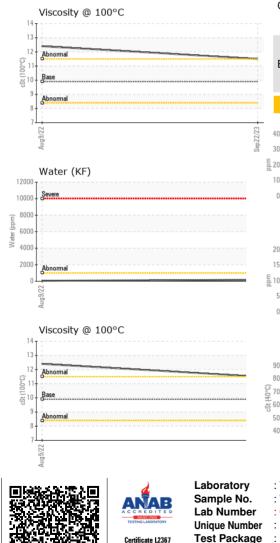
			Aug2022	Sep2023		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0853942	WC0728384	
Sample Date		Client Info		22 Sep 2023	09 Aug 2022	
Machine Age	mls	Client Info		120169	3480	
Oil Age	mls	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	nnm	ASTM D5185m	>200	35	4	
Chromium	ppm	ASTM D5185m		0	<1	
	ppm		>5	ں <1		
Nickel	ppm	ASTM D5185m	>5		0	
Titanium	ppm	ASTM D5185m	-	0	0	
Silver	ppm	ASTM D5185m	>7	0	<1	
Aluminum	ppm	ASTM D5185m	>25	6	2	
Lead	ppm	ASTM D5185m	>45	<1	<1	
Copper	ppm	ASTM D5185m		20	<1	
Tin	ppm	ASTM D5185m	>10	<1	<1	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		15	49	
Barium	ppm	ASTM D5185m		<1	0	
Molybdenum	ppm	ASTM D5185m		339	379	
Manganese	ppm	ASTM D5185m		2	<1	
Magnesium	ppm	ASTM D5185m		<1	0	
Calcium	ppm	ASTM D5185m		365	501	
Phosphorus	ppm	ASTM D5185m		785	972	
Zinc	ppm	ASTM D5185m		9	0	
Sulfur	ppm	ASTM D5185m		10567	12893	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>125	24	7	
Sodium	ppm	ASTM D5185m		2	0	
Potassium	ppm	ASTM D5185m	>20	6	0	
Water	%	ASTM D6304	>0.1	0.017	0.005	
ppm Water	ppm		>1000	172.0	57.4	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	101810	117370	
Particles >6µm		ASTM D7647	>2500	A 7386	24270	
Particles >14µm		ASTM D7647		64	368	
Particles >21µm		ASTM D7647		15	52	
Particles >38µm		ASTM D7647	>20	1	0	
Particles >71µm		ASTM D7647		0	0	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	A 24/20/13	24/22/16	
		()				
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.04	1.67	

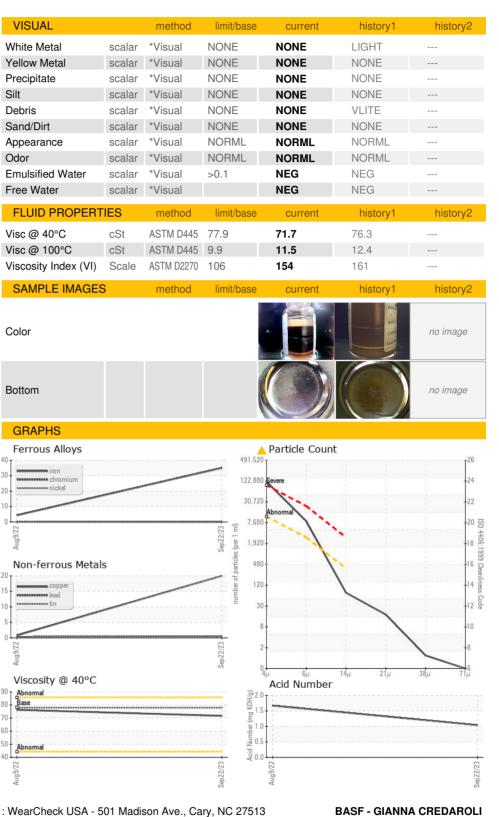


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: WC0853942 Received :01 Nov 2023 500 WHITE PLAINS RD : 05996284 Diagnosed : 03 Nov 2023 TARRYTOWN, NY US 10591 : 10724644 Diagnostician : Don Baldridge : MOB 2 (Additional Tests: KF, KV100, PrtCount, VI) Contact: GIANNA CREDAROLI To discuss this sample report, contact Customer Service at 1-800-237-1369. gianna.credaroli@basf.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)