

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Area HOWARD SHEPPARD 2573 HOWARD SHEPPARD

Rear Differential Fluid GEAR OIL SAE 75W90 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type. 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		WC0934648	WC0797099	WC0692952
Sample Date		Client Info		12 Apr 2024	30 Sep 2022	05 Apr 2022
Machine Age	mls	Client Info		109311	30114	150
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	90	222	19
Chromium	ppm	ASTM D5185m	>10	<1	1	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		<1	1	<1
Silver	ppm	ASTM D5185m		0	0	2
Aluminum	ppm	ASTM D5185m	>25	4	23	1
Lead	ppm	ASTM D5185m	>25	0	0	<1
Copper	ppm	ASTM D5185m	>100	0	1	<1
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	400	14	239	208
Barium	ppm	ASTM D5185m	200	<1	0	0
Molybdenum	ppm	ASTM D5185m	12	0	<1	<1
Manganese	ppm	ASTM D5185m		2	10	4
Magnesium	ppm	ASTM D5185m	12	4	3	2
Calcium	ppm	ASTM D5185m	150	15	9	8
Phosphorus	ppm	ASTM D5185m	1650	571	1290	1204
Zinc	ppm	ASTM D5185m	125	14	10	6
Sulfur	ppm	ASTM D5185m	22500	24578	23683	18217
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	32	42	12
Sodium	ppm	ASTM D5185m		4	5	4
Potassium	ppm	ASTM D5185m	>20	8	2	1
Water	%	ASTM D6304	>.2	0.020	0.035	0.050
ppm Water	ppm	ASTM D6304	>2000	206	352.7	508.1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	A 303201	2 35821	
Particles >6µm		ASTM D7647	>5000	🔺 137715	🔺 147140	
Dortiolog + 1 1		ASTM D7647	>640	<u> </u>	A 2158	
Particles >14µm		ASTM D7647	>160	99	151	
Particles >14µm Particles >21µm		ASTM D7647	>40	2	5	
Particles >21µm Particles >38µm		AOTIVI DI 041				
Particles >21µm		ASTM D7647	>10	0	0	
Particles >21µm Particles >38µm Particles >71µm			>10 >21/19/16	0 2 5/24/17	0	
Particles >21µm Particles >38µm		ASTM D7647				

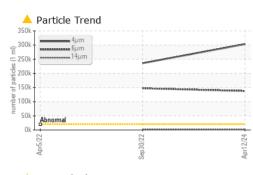
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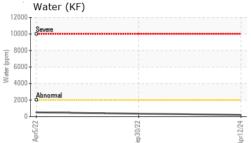


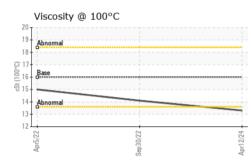
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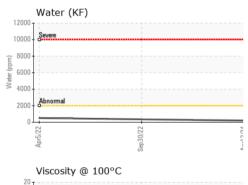
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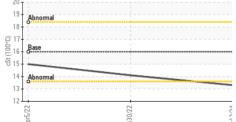
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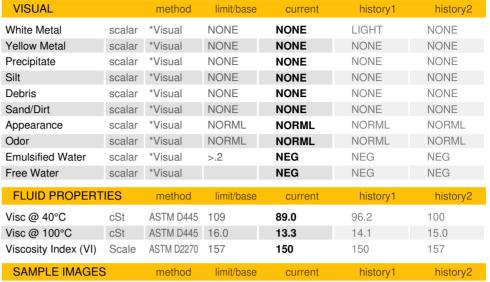




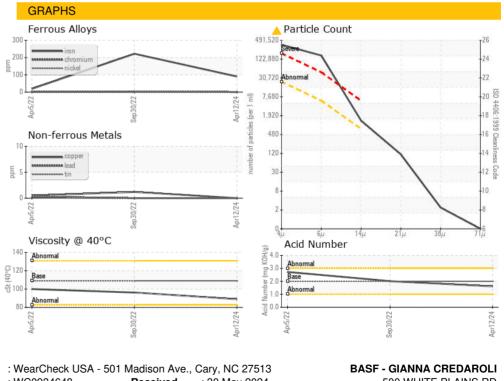














Laboratory Sample No. : WC0934648 Received : 30 May 2024 500 WHITE PLAINS RD Lab Number Tested : 02 Jun 2024 TARRYTOWN, NY :06195916 Unique Number : 11058039 Diagnosed : 02 Jun 2024 - Doug Bogart US 10591 Test Package : MOB 2 (Additional Tests: KF, KV100, PrtCount, VI) Contact: MIKE BARRY Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. mike.barry@basf.com * - 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)

Report Id: bastarhd [WUSCAR] 06195916 (Generated: 06/02/2024 16:54:01) Rev: 2

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