

OIL ANALYSIS REPORT

HOWARD SHEPPARD

Front Differential

{not provided} (--- GAL)

2609 HOWARD SHEPPARD Component

Sample Rating Trend



DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

All component wear rates are normal.

Contamination

There is a moderate amount of visible silt present in the sample.

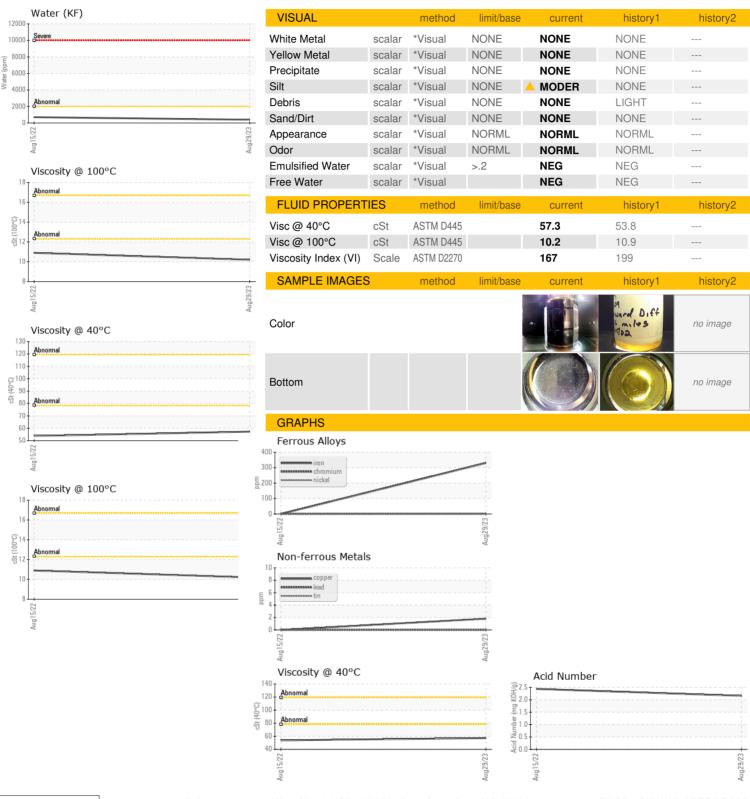
Fluid Condition

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

			Aug2022	Aug2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0876058	WC0771212	
Sample Date		Client Info		29 Aug 2023	15 Aug 2022	
Machine Age	mls	Client Info		107675	366	
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	ppm	ASTM D5185m	>500	330	<1	
Chromium	ppm	ASTM D5185m	>10	1	0	
Nickel	ppm	ASTM D5185m	>10	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>25	3	0	
Lead	ppm	ASTM D5185m	>25	0	0	
Copper	ppm	ASTM D5185m	>100	2	0	
Tin	ppm	ASTM D5185m	>10	0	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		206	267	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		10	0	
Magnesium	ppm	ASTM D5185m		1	<1	
Calcium	ppm	ASTM D5185m		2	<1	
Phosphorus	ppm	ASTM D5185m		1363	1438	
Zinc	ppm	ASTM D5185m		5	2	
Sulfur	ppm	ASTM D5185m		22359	23866	
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	32	0	
Sodium	ppm	ASTM D5185m		2	0	
Potassium	ppm	ASTM D5185m	>20	0	<1	
Water	%	ASTM D6304	>.2	0.039	0.070	
ppm Water	ppm	ASTM D6304	>2000	398	705.3	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000		8994	
Particles >6µm		ASTM D7647	>5000		2575	
Particles >14µm		ASTM D7647	>640		188	
Particles >21µm		ASTM D7647	>160		44	
Particles >38µm		ASTM D7647	>40		3	
Particles >71μm		ASTM D7647	>10		0	
Oil Cleanliness		ISO 4406 (c)	>21/19/16		20/19/15	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		2.16	2.44	



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Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: 06054910 : 10820859

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 08 Jan 2024 : WC0876058 Recieved Diagnosed : 10 Jan 2024 Diagnostician : Jonathan Hester

Test Package : MOB 2 (Additional Tests: KF, KV100, PrtCount, VI) 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)

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