

OIL ANALYSIS REPORT

Area HOWARD SHEPPARD

Component

Front Differential

{not provided} (--- GAL)

Sample Rating Trend ISO Sophits:

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

2611 HOWARD SHEPPARD

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 oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

				Sep 2023		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0876056		
Sample Date		Client Info		06 Sep 2023		
Machine Age	mls	Client Info		102353		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	143		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	<1		
Lead	ppm	ASTM D5185m	>25	0		
Copper	ppm	ASTM D5185m	>100	2		
Tin	ppm		>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES	1-1-	method	limit/base	current	history1	history2
Boron	nnm	ASTM D5185m		73	···otory ·	
Barium	ppm	ASTM D5185m		1		
	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5165III		14		
Manganese	ppm	ASTM D5185m		166		
Magnesium	ppm	ASTM D5165III		6		
Calcium	ppm			-		
Phosphorus	ppm	ASTM D5185m		1616		
Zinc	ppm	ASTM D5185m		13		
Sulfur	ppm	ASTM D5185m		22247		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	13		
Sodium	ppm	ASTM D5185m		4		
Potassium	ppm	ASTM D5185m	>20	0		
Water	%	ASTM D6304	>.2	0.044		
ppm Water	ppm	ASTM D6304	>2000	449		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>20000	^ 72053		
Particles >6µm		ASTM D7647	>5000	1824		
Particles >14μm		ASTM D7647	>640	4		
Particles >21μm		ASTM D7647	>160	1		
Particles >38μm		ASTM D7647	>40	0		
Particles >71μm		ASTM D7647	>10	0		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	23/18/9		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Asid Number (AN)	ma 1/011/a	ACTM DODAE		0.71		

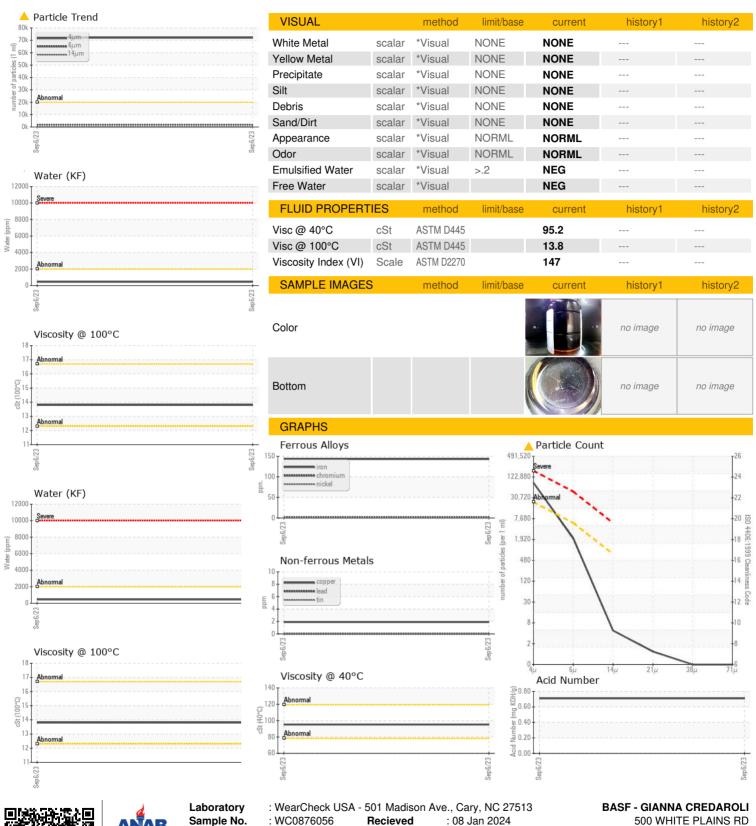
Acid Number (AN)

mg KOH/g ASTM D8045

0.71



OIL ANALYSIS REPORT





Certificate L2367

Sample No. Lab Number **Unique Number**

Test Package

: 06054915

: WC0876056 : 10820864

Recieved Diagnosed

: 10 Jan 2024 Diagnostician : Wes Davis : 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)

500 WHITE PLAINS RD

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T: F: