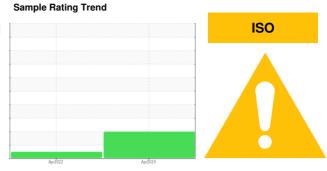


# **OIL ANALYSIS REPORT**

# **HOWARD SHEPPARD 2562 HOWARD SHEPPARD**

**Rear Differential** 

{not provided} (--- GAL)



### DIAGNOSIS

#### Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. Please note that this is a corrected copy for laboratory data updates of elemental data and confirmation of viscosities.

An increase in the iron level is noted.

#### Contamination

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

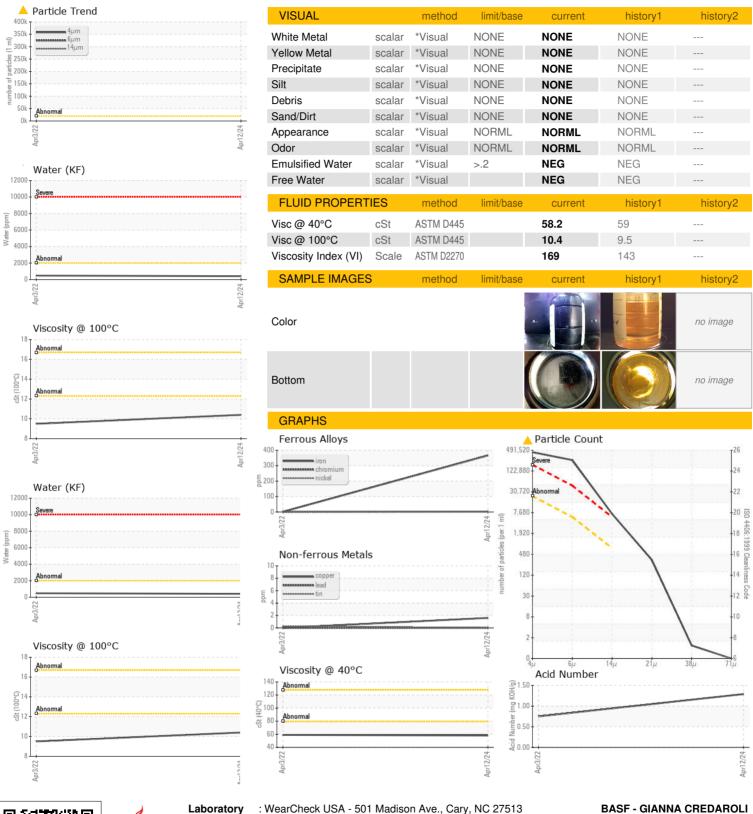
### **Fluid Condition**

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

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SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0934661	WC0682434	
Sample Date		Client Info		12 Apr 2024	03 Apr 2022	
Machine Age	mls	Client Info		110619	369	
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
ron	ppm	ASTM D5185m	>500	366	1	
Chromium	ppm	ASTM D5185m	>10	2	0	
Nickel	ppm	ASTM D5185m	>10	0	<1	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m		0	<1	
Aluminum	ppm	ASTM D5185m	>25	12	<1	
_ead	ppm	ASTM D5185m	>25	0	0	
Copper	ppm	ASTM D5185m	>100	2	0	
Γin	ppm	ASTM D5185m	>10	0	<1	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		123	104	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		9	<1	
Magnesium	ppm	ASTM D5185m		143	197	
Calcium	ppm	ASTM D5185m		4	0	
Phosphorus	ppm	ASTM D5185m		1634	1753	
Zinc	ppm	ASTM D5185m		8	0	
Sulfur	ppm	ASTM D5185m		27711	22988	
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	39	1	
Sodium	ppm	ASTM D5185m		6	0	
Potassium	ppm	ASTM D5185m	>20	<1	0	
Water	%	ASTM D6304	>.2	0.041	0.048	
opm Water	ppm	ASTM D6304	>2000	414	485.0	
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	▲ 368696		
Particles >6µm		ASTM D7647	>5000	<u> </u>		
Particles >14µm		ASTM D7647	>640	<b>6174</b>		
Particles >21µm		ASTM D7647	>160	<b>292</b>		
Particles >38µm		ASTM D7647	>40	1		
Particles >71µm		ASTM D7647	>10	0		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<b>26/25/20</b>		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.29	0.75	
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## **OIL ANALYSIS REPORT**





Certificate 12367

Laboratory

Sample No.

Lab Number : 06195920

: WC0934661 Unique Number : 11058043

Received **Tested** Diagnosed

: 13 Jun 2024 - Doug Bogart Test Package : MOB 2 ( Additional Tests: KF, KV100, PrtCount, VI )

: 30 May 2024

: 13 Jun 2024

To discuss this sample report, contact Customer Service at 1-800-237-1369.  $^st$  - 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)

**BASF - GIANNA CREDAROLI** 

500 WHITE PLAINS RD TARRYTOWN, NY US 10591

Contact: MIKE BARRY mike.barry@basf.com

T: F: