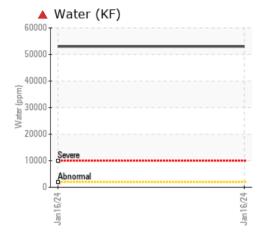
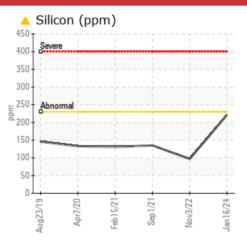
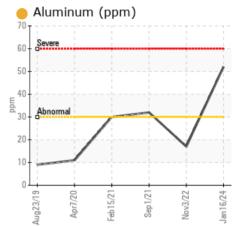


COMPONENT CONDITION SUMMARY

OIL







RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS Sample Status SEVERE ABNORMAL NORMAL Silicon ASTM D5185m >230 **A** 221 97 135 ppm Water % ASTM D6304 >.2 **5.30** ppm ASTM D6304 >2000 ppm Water ▲ 53000 Debris scalar *Visual NONE MODER VLITE **Emulsified Water** scalar *Visual >.2 ▲ 0.2% NEG NEG

Customer Id: NWWDUN Sample No.: PCA0089178 Lab Number: 06104810 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data: Sean Felton +1 919-379-4092 sfelton@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS									
Action	Status	Date	Done By	Description					
Resample			?	We recommend an early resample to monitor this condition.					
Check Dirt Access			?	We advise that you check all areas where dirt can enter the system.					
Check Water Access			?	We advise that you check for the source of water entry.					

HISTORICAL DIAGNOSIS



03 Nov 2022 Diag: Angela Borella

Resample at the next service interval to monitor.All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.



01 Sep 2021 Diag: Jonathan Hester



Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



15 Feb 2021 Diag: Don Baldridge

VIS DEBRIS



No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.





OIL ANALYSIS REPORT

Sample Rating Trend





DT637 Component **Front Differential** Fluid

Machine Id

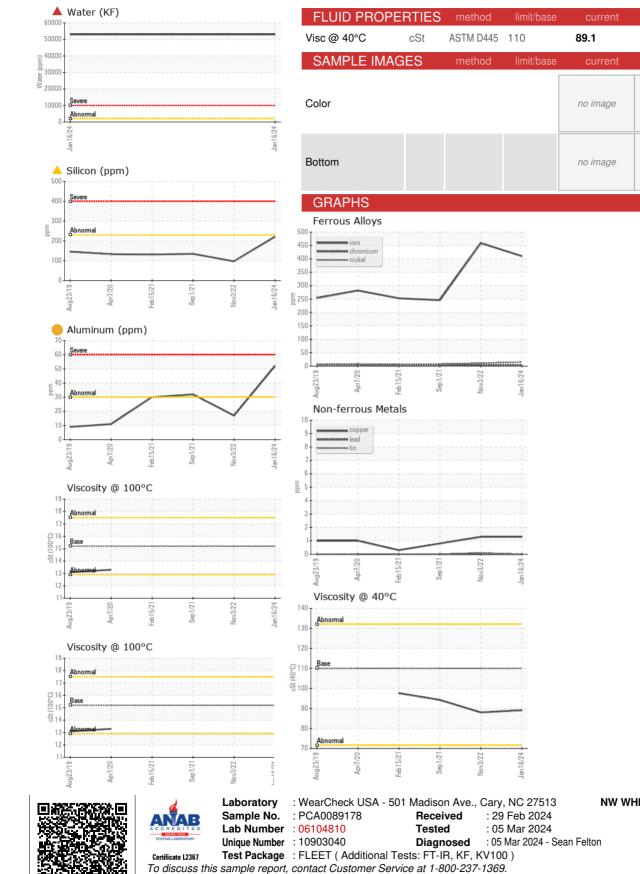
CHEVRON RPM SYNTHETIC GEAR 75W90 (4 mls)

DIAGNOSIS	SAMPLE INFOR	RMATION	method	limit/base	e current	history1	history2
Recommendation	Sample Number		Client Info		PCA0089178	PCA0080452	PCA0050644
Ve advise that you check all areas where dirt can	Sample Date		Client Info		16 Jan 2024	03 Nov 2022	01 Sep 2021
nter the system. We advise that you check for the	Machine Age	mls	Client Info		232545	192431	0
urce of water entry. The oil change at the time of	Oil Age	mls	Client Info		71752	31638	0
mpling has been noted. We recommend an early	Oil Changed		Client Info		Changed	Not Changd	Not Changd
sample to monitor this condition.	Sample Status				SEVERE	ABNORMAL	NORMAL
Wear component wear rates are normal.	WEAR META	LS	method	limit/base	e current	history1	history2
Contamination	Iron	ppm	ASTM D5185m	>1200	410	459	246
mental levels of silicon (Si) and aluminum (Al)	Chromium	ppm	ASTM D5185m	>8	3	4	2
icate alumina-silicate (coarse dirt) ingress. There	Nickel	ppm	ASTM D5185m	>20	15	11	8
high concentration of water present in the oil. derate concentration of visible dirt/debris present	Titanium	ppm	ASTM D5185m	>4	<1	<1	<1
ne oil.	Silver	ppm	ASTM D5185m		0	0	<1
id Condition	Aluminum	ppm	ASTM D5185m	>30	<u> </u>	17	32
oil is no longer serviceable due to the presence	Lead	ppm	ASTM D5185m		0	0	0
ontaminants.	Copper	ppm	ASTM D5185m	>50	1	1	<1
	Tin	ppm	ASTM D5185m	>5	0	<1	0
	Antimony	ppm	ASTM D5185m	>5			0
	Vanadium	ppm	ASTM D5185m		0	0	<1
	Cadmium	ppm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	e current	history1	history2
	Boron	ppm	ASTM D5185m		156	207	204
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		4	4	0
	Manganese	ppm	ASTM D5185m		4	4	2
	Magnesium	ppm	ASTM D5185m		29	29	11
	Calcium	ppm	ASTM D5185m		29	54	33
	Phosphorus	ppm	ASTM D5185m		1396	1265	1220
	Zinc	ppm	ASTM D5185m		57	43	28
	Sulfur	ppm	ASTM D5185m		25340	25056	20482
	CONTAMINA	NTS	method	limit/base	e current	history1	history2
	Silicon	ppm	ASTM D5185m	>230	A 221	97	135
	Sodium	ppm	ASTM D5185m		4	2	4
	Potassium	ppm	ASTM D5185m	>20	5	2	2
	Water	%	ASTM D6304	>.2	5 .30		
	ppm Water	ppm	ASTM D6304	>2000	▲ 53000		
	VISUAL		method	limit/base	e current	history1	history2
	White Metal	scalar	*Visual	NONE	NONE	MODER	LIGHT
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE		A MODER	VLITE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>.2	a 0.2%	NEG	NEG
ort Id: NWWDUN [WUSCAR] 06104810 (Generated: 03/05/2024	Free Water	scalar	*Visual		NEG	NEG Submitted F	NEG Sv: Matt Quinla

Free Water Report Id: NWWDUN [WUSCAR] 06104810 (Generated: 03/05/2024 13:55:53) Rev: 1







NW WHITE & CO - GREER DIVISION 1060 ROGERS BRIDGE RD DUNCAN, SC US 29334 Contact: Matt Quinlan mquinlan@nwwhite.com T: (864)905-8506 CGM 106:2012) F:

* - 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)

94.2

no image

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88.0

no image

no image

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