

OIL ANALYSIS REPORT

Sample Rating Trend

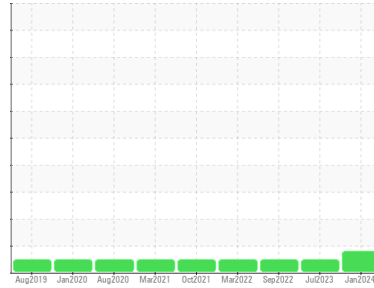
WEAR



Machine Id
DT665

Component
Rear Differential

Fluid
CHEVRON RPM SYNTHETIC GEAR 75W90 (3 mls)



DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

Gear wear is indicated.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2	
Sample Number	Client Info	PCA0111637	PCA0101883	PCA0076436	
Sample Date	Client Info	19 Jan 2024	28 Jul 2023	21 Sep 2022	
Machine Age	mls	Client Info	75000	75000	75000
Oil Age	mls	Client Info	75000	75000	75000
Oil Changed	Client Info	N/A	N/A	N/A	
Sample Status		ABNORMAL	NORMAL	NORMAL	

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >.2	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >500	▲ 695	112	58
Chromium	ppm ASTM D5185m >10	7	<1	<1
Nickel	ppm ASTM D5185m >10	<1	<1	<1
Titanium	ppm ASTM D5185m	<1	<1	<1
Silver	ppm ASTM D5185m	0	0	0
Aluminum	ppm ASTM D5185m >25	4	6	4
Lead	ppm ASTM D5185m >25	0	0	1
Copper	ppm ASTM D5185m >100	1	<1	<1
Tin	ppm ASTM D5185m >10	0	0	<1
Vanadium	ppm ASTM D5185m	0	0	<1
Cadmium	ppm ASTM D5185m	0	0	<1

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	234	274	195
Barium	ppm ASTM D5185m	1	0	0
Molybdenum	ppm ASTM D5185m	12	5	2
Manganese	ppm ASTM D5185m	6	3	2
Magnesium	ppm ASTM D5185m	65	31	17
Calcium	ppm ASTM D5185m	130	74	41
Phosphorus	ppm ASTM D5185m	1284	1347	1262
Zinc	ppm ASTM D5185m	103	57	32
Sulfur	ppm ASTM D5185m	25183	23765	25056

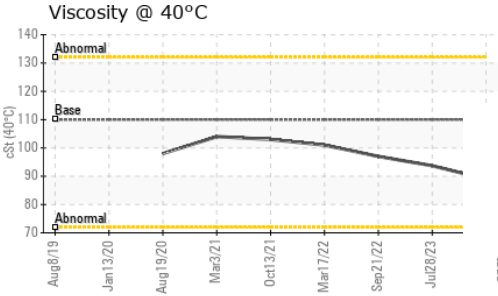
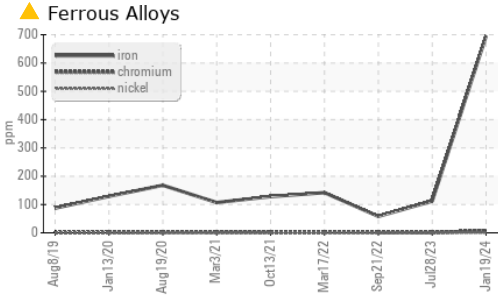
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >75	68	22	6
Sodium	ppm ASTM D5185m	0	0	3
Potassium	ppm ASTM D5185m >20	2	1	5

VISUAL

method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	NONE	NONE	NONE
Yellow Metal	scalar *Visual NONE	NONE	NONE	NONE
Precipitate	scalar *Visual NONE	NONE	NONE	NONE
Silt	scalar *Visual NONE	MODER	LIGHT	NONE
Debris	scalar *Visual NONE	NONE	NONE	NONE
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	NEG	NEG	NEG
Free Water	scalar *Visual	NEG	NEG	NEG

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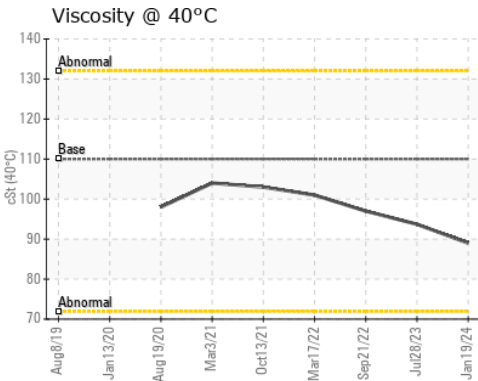
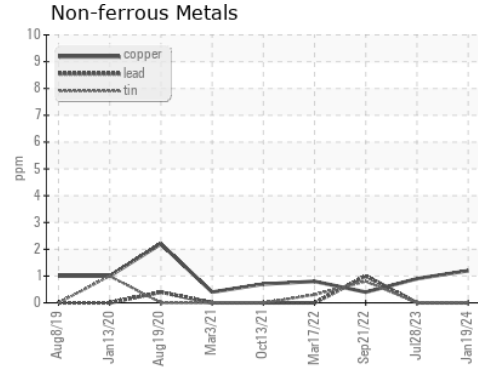
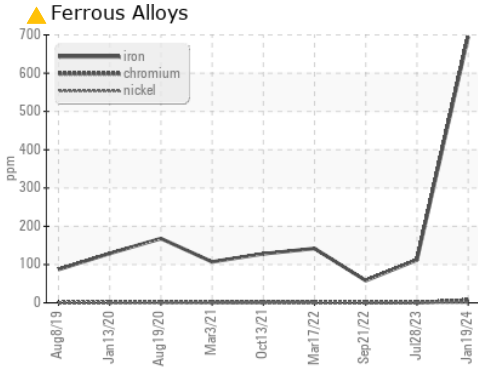


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	110	89.0	93.7	97.0

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0111637
Lab Number : 06076151
Unique Number : 10858242
Test Package : FLEET

NW WHITE & CO - BEAUFORT DIVISION
 1491 YENMASSEE HIGHWAY
 VARNVILLE, SC
 US 29944
 Contact: VINCENT BULLOCK
 bullockvince514@gmail.com

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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