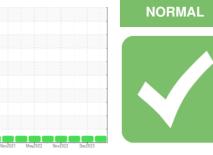


OIL ANALYSIS REPORT

Sample Rating Trend



T306 Component Front Differential Fluid CHEVRON DELO SYNTHETIC GEAR 75W90 (4 hrs)

DIAGNOSIS

Machine Id

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

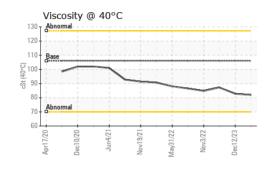
Fluid Condition

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

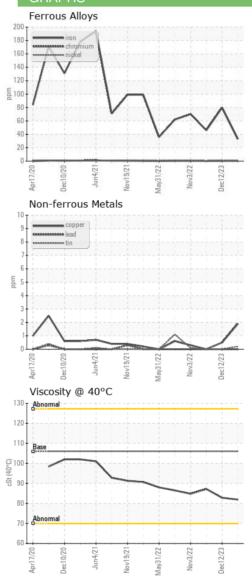
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0116109	PCA0114670	PCA0095661
Sample Date		Client Info		21 Apr 2024	12 Dec 2023	04 Apr 2023
Machine Age	mls	Client Info		0	393890	335932
Oil Age	mls	Client Info		0	75000	75000
Oil Changed		Client Info		N/A	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	33	80	46
Chromium	ppm	ASTM D5185m	>10	<1	<1	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	<1	1
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>100	2	<1	0
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
_						
Boron	ppm	ASTM D5185m		264	211	224
Boron Barium	ppm ppm	ASTM D5185m ASTM D5185m		264 1	0	224 0
		ASTM D5185m ASTM D5185m		1 11		
Barium	ppm	ASTM D5185m		1 11 2	0 10 2	0
Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		1 11 2 68	0 10 2 109	0 10 2 107
Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		1 11 2	0 10 2	0 10 2 107 213
Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		1 11 2 68	0 10 2 109 204 1309	0 10 2 107 213 1194
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		1 11 2 68 274	0 10 2 109 204 1309 186	0 10 2 107 213 1194 170
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		1 11 2 68 274 1346	0 10 2 109 204 1309	0 10 2 107 213 1194
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	1 11 2 68 274 1346 172	0 10 2 109 204 1309 186	0 10 2 107 213 1194 170
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		1 11 2 68 274 1346 172 23921	0 10 2 109 204 1309 186 20164	0 10 2 107 213 1194 170 21465
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method		1 11 2 68 274 1346 172 23921 current	0 10 2 109 204 1309 186 20164 history1	0 10 2 107 213 1194 170 21465 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon	ppm ppm ppm ppm ppm ppm ppm ppm TS	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m	>75	1 11 2 68 274 1346 172 23921 current 6	0 10 2 109 204 1309 186 20164 history1 8	0 10 2 107 213 1194 170 21465 history2 4
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	>75	1 11 2 68 274 1346 172 23921 current 6 1	0 10 2 109 204 1309 186 20164 history1 8 1	0 10 2 107 213 1194 170 21465 history2 4 <1
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	>75 >20	1 11 2 68 274 1346 172 23921 current 6 1 0	0 10 2 109 204 1309 186 20164 history1 8 1 0	0 10 2 107 213 1194 170 21465 history2 4 <1 0
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL	ppm ppm ppm ppm ppm ppm ppm ppm TS	ASTM D5185m ASTM D5185m	>75 >20 limit/base	1 11 2 68 274 1346 172 23921 current 6 1 0 current	0 10 2 109 204 1309 186 20164 history1 8 1 0 history1 NONE NONE	0 10 2 107 213 1194 170 21465 history2 4 <1 0 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm ppm ppm ppm ppm ppm TS	ASTM D5185m ASTM D5185m Yisual	>75 >20 limit/base NONE	1 11 2 68 274 1346 172 23921 current 6 1 0 current NONE	0 10 2 109 204 1309 186 20164 history1 8 1 0 history1 NONE	0 10 2 107 213 1194 170 21465 history2 4 4 <1 0 Vone NONE NONE NONE NONE
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm ppm ppm ppm ppm ppm ppm TS ppm ppm ppm scalar scalar	ASTM D5185m ASTM D5185m Yisual *Visual *Visual	>75 >20 limit/base NONE NONE	1 11 2 68 274 1346 172 23921 current 6 1 0 current NONE NONE NONE NONE LIGHT	0 10 2 109 204 1309 186 20164 history1 8 1 0 history1 NONE NONE	0 10 2 107 213 1194 170 21465 history2 4 < <1 0 Vone NONE NONE NONE NONE NONE NONE
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm ppm ppm ppm ppm ppm ppm TS ppm ppm ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m Yisual *Visual *Visual *Visual *Visual	>75 >20 limit/base NONE NONE NONE NONE NONE	1 11 2 68 274 1346 172 23921 current 6 1 0 current NONE NONE NONE NONE LIGHT NONE	0 10 2 109 204 1309 186 20164 history1 8 1 0 history1 NONE NONE NONE NONE NONE NONE NONE	0 10 2 107 213 1194 170 21465 history2 4 <1 0 Vone NONE NONE NONE NONE NONE NONE NONE
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m Yisual *Visual *Visual	>75 >20 limit/base NONE NONE NONE NONE	1 11 2 68 274 1346 172 23921 current 6 1 0 current NONE NONE NONE NONE LIGHT	0 10 2 109 204 1309 186 20164 history1 8 1 0 history1 NONE NONE NONE NONE NONE	0 10 2 107 213 1194 170 21465 history2 4 < <1 0 Vone NONE NONE NONE NONE NONE NONE
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m Yisual *Visual *Visual *Visual *Visual	>75 >20 limit/base NONE NONE NONE NONE NONE	1 11 2 68 274 1346 172 23921 current 6 1 0 current NONE NONE NONE NONE LIGHT NONE	0 10 2 109 204 1309 186 20164 history1 8 1 0 history1 NONE NONE NONE NONE NONE NONE NONE	0 10 2 107 213 1194 170 21465 history2 4 < <1 0 <i>history2</i> 4 <i>NONE</i> NONE NONE NONE NONE NONE NONE
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm ppm ppm ppm ppm ppm ppm TS ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m Visual *Visual *Visual *Visual *Visual *Visual	>75 >20 limit/base NONE NONE NONE NONE NONE	1 11 2 68 274 1346 172 23921 current 6 1 0 current NONE NONE NONE LIGHT NONE NONE NONE	0 10 2 109 204 1309 186 20164 history1 8 1 0 history1 NONE NONE NONE NONE NONE NONE NONE NON	0 10 2 107 213 1194 170 21465 history2 4 <1 0 kistory2 NONE NONE NONE NONE NONE NONE NONE NON
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm ppm ppm ppm ppm ppm ppm TS ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m Visual *Visual *Visual *Visual *Visual *Visual *Visual	>75 20 limit/base NONE NONE NONE NONE NONE NONE NONE	1 11 2 68 274 1346 172 23921 current 6 1 0 current NONE NONE NONE LIGHT NONE NONE NONE NONE NONE	0 10 2 109 204 1309 186 20164 history1 8 1 0 history1 NONE NONE NONE NONE NONE NONE NONE NON	0 10 2 107 213 1194 170 21465 history2 4 <1 0 history2 A kistory2 kistory2 kistory2 kistory2 kistory2 kistory2 kistory2 kistory2 kistory2 kistory2 kistory2 kistory2 kistory2 kistory2 kistory2 kistory2 kistory2 kistory2 kistory2 kistory2 kistory2 kistory2 kistory2 kistory2 kistory2 kistory2 kistory2 kistory2 kistory2 kistory2 kistory3 kistory2 kistory2 kistory2 kistory2 kistory2 kistory2 kistory2 kistory3 kistory3 kistory3 kistory3 kistory3 kistory3 kistory4 kistory3 kistory3 kistory3 kistory4 kistory3 kistory3 kistory3 kistory3 kistory3 kistory3 kistory3 kistory4 kistory4 kistory3 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 kistory5 ki
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor	ppm ppm ppm ppm ppm ppm ppm ppm TS ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>75 20 imit/base NONE NONE NONE NONE NONE NONE NONE NON	1 11 2 68 274 1346 172 23921 current 6 1 0 current NONE NONE NONE LIGHT NONE NONE NONE NONE NONE NONE NONE LIGHT NONE NORE NORE NORE NORE NORE NORE NORE	0 10 2 109 204 1309 186 20164 history1 8 1 0 history1 8 1 0 history1 8 1 0 0 history1 8 1 0 0 history1 8 1 0 0 history1 8 1 0 0 history1 8 1 0 0 history1 8 1 0 0 history1 8 1 0 0 history1 8 1 0 0 history1 8 1 0 0 history1 8 1 0 0 history1 8 1 0 0 history1 8 1 0 0 history1 8 1 0 0 history1 8 1 0 0 history1 8 1 0 0 history1 8 1 0 0 history1 8 1 0 0 history1 8 1 0 0 history1 8 1 0 0 history1 8 1 0 0 history1 8 1 0 0 history1 8 1 0 0 history1 8 1 0 0 history1 8 1 0 0 history1 8 1 0 0 history1 8 1 0 0 history1 8 1 0 0 history1 8 1 0 0 history1 8 1 0 0 history1 8 1 0 0 history1 8 1 0 0 history1 8 1 0 0 history1 1 history1 1 history1 1 history1 1 history1 1 history1 1 history1 1 history1 1 history1 1 history1 1 history1 1 history1 1 history1 1 history1 1 history1 1 history1 1 history1 1 history1 1 history1 1 history1 1 history1 1 history1 1 history1 1 history1 1 history1 1 history1 1 history1 1 history1 1 history1 1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 histor	0 10 2 107 213 1194 170 21465 history2 4 4 <1 0 history2 NONE NONE NONE NONE NONE NONE NONE NON



OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	106	81.9	82.8	87.2
SAMPLE IM	AGES	method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image
GRAPHS						-



NW WHITE & CO - SPECIAL SERVICE DIVISION Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 100 INDEPENDENCE BLVD Sample No. : PCA0116109 Received : 22 Apr 2024 Lab Number : 06156310 Tested : 23 Apr 2024 COLUMBIA, SC Unique Number : 10991733 Diagnosed : 23 Apr 2024 - Wes Davis US 29210 Test Package : FLEET Contact: George Edwards Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. gedwards@nwwhite.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Submitted By: Paul Riddick Page 2 of 2