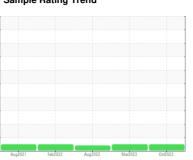


OIL ANALYSIS REPORT

Sample Rating Trend









Machine Id **DT749** Component **Front Differential**

CHEVRON DELO SYNTHE

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

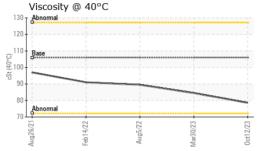
Fluid Condition

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

Client Info	TIC GEAR 75W90	(QTS)	Aug ² 021	Feb2022	Aug2022 Mar2023	0et2023	
Client Info	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Machine Age mls	Sample Number		Client Info		PCA0103299	PCA0091230	PCA007479
Dil Age mls Client Info 108052 0 26809 Dil Changed Status Client Info Changed Not Changed N	Sample Date		Client Info		12 Oct 2023	30 Mar 2023	05 Aug 2022
Dil Changed Client Info Changed Not Changed NoRMAL NORMAL NORMAL NORMAL ABNORMAL	Machine Age	mls	Client Info		154247	121751	102365
NORMAL NORMAL ABNORMAL	Oil Age	mls	Client Info		108052	0	26809
WEAR METALS method limit/base current history1 history2 ron ppm ASTM D5185m >870 222 201 143 Chromium ppm ASTM D5185m >8 2 <1	Oil Changed		Client Info		Changed	Not Changd	Not Changd
Description	Sample Status				NORMAL	NORMAL	ABNORMAL
Description	WEAR METAL	_S	method	limit/base	current	history1	history2
Sickel	ron	ppm	ASTM D5185m	>870	222	201	143
Description	Chromium	ppm	ASTM D5185m	>8	2	<1	1
Alluminum	Nickel	ppm	ASTM D5185m	>25	7	5	5
All All	Titanium	ppm	ASTM D5185m	>4	<1	0	0
Lead ppm ASTM D5185m >25 <1 0 0 Copper ppm ASTM D5185m >60 1 0 <1	Silver	ppm	ASTM D5185m		0	0	0
Description	Aluminum	ppm	ASTM D5185m	>40	2	4	3
Antimony ppm ASTM D5185m >5 <1 0 <1 Antimony ppm ASTM D5185m >5 Antimony ppm ASTM D5185m >5 Antimony ppm ASTM D5185m O 0 0 0 0 0 0 0 0 0	_ead	ppm	ASTM D5185m	>25	<1	0	0
Antimony	Copper	ppm	ASTM D5185m	>60	1	0	<1
A/Anadium ppm ASTM D5185m 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 196 210 247 Barium ppm ASTM D5185m 0 0 0 Wolybdenum ppm ASTM D5185m 17 18 17 Wanganese ppm ASTM D5185m 3 3 2 Magnesium ppm ASTM D5185m 146 155 141 Phosphorus ppm ASTM D5185m 1439 1327 1265 Zinc ppm ASTM D5185m 114 102 109 Zinc ppm ASTM D5185m 22489 25056 21804 CONTAMINANTS method limit/base current history1 history2 Siliton ppm ASTM D5185m 285 87 <t< td=""><td>Γin</td><td>ppm</td><td>ASTM D5185m</td><td>>5</td><td><1</td><td>0</td><td><1</td></t<>	Γin	ppm	ASTM D5185m	>5	<1	0	<1
ADDITIVES	Antimony	ppm	ASTM D5185m	>5			
ADDITIVES	Vanadium	ppm	ASTM D5185m		0	0	0
Boron ppm ASTM D5185m 196 210 247	Cadmium	ppm	ASTM D5185m		0	0	0
Description	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 17 18 17 Manganese ppm ASTM D5185m 3 3 2 Magnesium ppm ASTM D5185m 81 69 64 Calcium ppm ASTM D5185m 146 155 141 Phosphorus ppm ASTM D5185m 1439 1327 1265 Zinc ppm ASTM D5185m 114 102 109 Sulfur ppm ASTM D5185m 22489 25056 21804 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >285 87 90 73 Sodium ppm ASTM D5185m >20 2 0 0 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE NONE Vellow Metal scalar </td <td>Boron</td> <td>ppm</td> <td></td> <td></td> <td></td> <td></td> <td>247</td>	Boron	ppm					247
Manganese ppm ASTM D5185m 3 3 2 Magnesium ppm ASTM D5185m 81 69 64 Calcium ppm ASTM D5185m 146 155 141 Phosphorus ppm ASTM D5185m 1439 1327 1265 Zinc ppm ASTM D5185m 114 102 109 Sulfur ppm ASTM D5185m 22489 25056 21804 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >285 87 90 73 Sodium ppm ASTM D5185m >20 2 0 0 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE VISUAL method limit/base current history1 history2 White Metal scalar		ppm	ASTM D5185m		0		0
Magnesium ppm ASTM D5185m 81 69 64 Calcium ppm ASTM D5185m 146 155 141 Phosphorus ppm ASTM D5185m 1439 1327 1265 Zinc ppm ASTM D5185m 114 102 109 Sulfur ppm ASTM D5185m 22489 25056 21804 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >285 87 90 73 Godium ppm ASTM D5185m >20 2 0 0 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE Yellow Metal scalar	Molybdenum	ppm					17
Calcium ppm ASTM D5185m 146 155 141 Phosphorus ppm ASTM D5185m 1439 1327 1265 Zinc ppm ASTM D5185m 114 102 109 Bulfur ppm ASTM D5185m 22489 25056 21804 CONTAMINANTS method limit/base current history1 history2 Bilicon ppm ASTM D5185m >285 87 90 73 Bodium ppm ASTM D5185m >20 2 0 0 Potassium ppm ASTM D5185m >20 2 0 0 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE Vellow Metal scalar *Visual NONE NONE NONE NONE Vellow Metal scalar *Visual NONE NONE NONE NONE	Manganese	ppm	ASTM D5185m		3	3	2
Phosphorus ppm ASTM D5185m 1439 1327 1265 Zinc ppm ASTM D5185m 114 102 109 Sulfur ppm ASTM D5185m 22489 25056 21804 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >285 87 90 73 Sodium ppm ASTM D5185m 5 <1	Magnesium	ppm	ASTM D5185m		81	69	64
Description	Calcium	ppm	ASTM D5185m		146	155	141
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >285 87 90 73 Sodium ppm ASTM D5185m 5 <1	Phosphorus	ppm	ASTM D5185m		1439	1327	1265
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >285 87 90 73 Sodium ppm ASTM D5185m 5 <1 <1 <1 Potassium ppm ASTM D5185m >20 2 0 0 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE MODER NONE 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 NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Dodor scalar *Visual NORML NORML NORML NORML Emulsified Water scalar *Visual >.2 NEG NEG NEG	Zinc	ppm	ASTM D5185m		114	102	109
Solite	Sulfur	ppm	ASTM D5185m		22489	25056	21804
Sodium ppm ASTM D5185m 5 <1 <1 <1 color of the ppm ASTM D5185m >20 2 0 0 0 0 color of the ppm ASTM D5185m >20 2 0 0 0 color of the ppm ASTM D5185m >20 2 0 0 0 color of the ppm ASTM D5185m >20 2 0 0 0 color of the ppm ASTM D5185m >20 2 0 0 0 color of the ppm ASTM D5185m >20 2 0 0 0 color of the ppm ASTM D5185m >20 2 0 0 0 color of the ppm ASTM D5185m >20 2 0 0 0 color of the ppm ASTM D5185m >20 2 0 0 0 color of the ppm ASTM D5185m >20 2 0 0 0 color of the ppm ASTM D5185m >20 2 0 0 0 color of the ppm ASTM D5185m >20 2 0 0 0 0 color of the ppm ASTM D5185m >20 0 0 0 color of the ppm ASTM D5185m >20 0 0 0 color of the ppm ASTM D5185m >20 0 0 0 0 color of the ppm ASTM D5185m >20 0 0 0 0 color of the ppm ASTM D5185m >20 0 0 0 0 color of the ppm ASTM D5185m >20 0 0 0 0 0 color of the ppm ASTM D5185m >20 0 0 0 0 0 color of the ppm ASTM D5185m >20 0 0 0 0 0 0 color of the ppm ASTM D5185m >20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CONTAMINAN	NTS	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 2 0 0 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE NONE Sand/Dirt scalar *Visual NORML NORML NORML NORML Debris scalar *Visual NORML NORML NORML NORML Debris scalar *Visual NORML NORML NORML NORML Debris scalar *Visual NORML NORML NORML NORML NORML Debris scalar *Visual NORML NORML NORML NORML NORML NORML Debris Scalar *Visual NORML NORML NORML NORML NORML NORML NORML NORML NORML	Silicon	ppm	ASTM D5185m	>285	87	90	73
White Metal scalar *Visual NONE NONE MODER NONE 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 NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Debris scalar *Visual NORML NORML NORML NORML Appearance scalar *Visual NORML NORML NORML Debris Scalar *Visual NORML NORML NORML NORML Appearance scalar *Visual NORML NORML NORML NORML Debris Scalar *Visual NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML Emulsified Water scalar *Visual >.2 NEG NEG NEG	Sodium	ppm	ASTM D5185m		5	<1	<1
White Metal scalar *Visual NONE NONE MODER NONE 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 NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Dedor scalar *Visual NORML NORML NORML NORML Emulsified Water scalar *Visual >.2 NEG NEG NEG	Potassium	ppm	ASTM D5185m	>20	2	0	0
Yellow Metal scalar *Visual NONE NORML NO	VISUAL		method	limit/base	current	history1	history2
Precipitate scalar *Visual NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Ddor scalar *Visual NORML NORML NORML NORML Emulsified Water scalar *Visual >.2 NEG NEG NEG	White Metal	scalar	*Visual	NONE			NONE
Silt scalar *Visual NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE MODER Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML NORML Ddor scalar *Visual NORML NORML NORML NORML NORML Emulsified Water scalar *Visual >.2 NEG NEG NEG	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Debris scalar *Visual NONE NONE NONE MODER Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Ddor scalar *Visual NORML NORML NORML NORML Emulsified Water scalar *Visual >.2 NEG NEG NEG	Precipitate	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	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearancescalar*VisualNORMLNORMLNORMLNORMLNORMLDdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGNEG	Debris	scalar	*Visual	NONE	NONE	NONE	▲ MODER
Odor scalar *Visual NORML NORML NORML NORML NORML Emulsified Water scalar *Visual >.2 NEG NEG NEG	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Emulsified Water scalar *Visual >.2 NEG NEG NEG	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Free Water scalar *Visual NEG NEG NEG	Emulsified Water	scalar	*Visual	>.2	NEG	NEG	NEG
	Free Water	scalar	*Visual		NEG	NEG	NEG

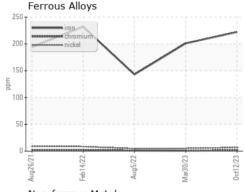


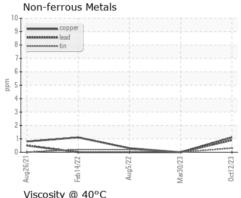
OIL ANALYSIS REPORT

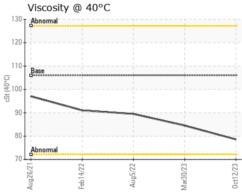


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C cSt	ASTM D445	106	78.6	84.5	89.5
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image
ODABUO					

GRAPHS









Laboratory Sample No. Lab Number

Unique Number Test Package : FLEET

: PCA0103299 : 05994813 : 10723173

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 31 Oct 2023 Diagnosed : 02 Nov 2023

Diagnostician : Don Baldridge

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)

NW WHITE & CO - ANDERSON DIVISION

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Contact: James Threatt jthreatt@nwwhite.com T: (864)918-4646