

## **OIL ANALYSIS REPORT**

Sample Rating Trend







Machine Id DT712 Component Front Differential

CHEVRON DELO SYNTHETIC GEAR 75W90 (--- GAL)

## DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### 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 INFORM		method	limit/base	current	nistory i	nistory2	
Sample Number		Client Info	PCA0116147		PCA0107425	PCA0100002	
Sample Date		Client Info		25 Jan 2024	06 Dec 2023	27 Jun 2023	
Machine Age	mls	Client Info		0	0	202730	
Oil Age	mls	Client Info		0	0	0	
Oil Changed		Client Info		N/A	Not Changd	Not Change	
Sample Status				NORMAL	ABNORMAL	ABNORMAL	
Campic Claus	ample Status			NOTIMAL	ABROTIMAE	ADNONIVIAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2	
Water	Water		>.2	NEG	NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>500	45	<b>5</b> 96	99	
Chromium	ppm	ASTM D5185m	>10	0	8	<1	
Nickel	ppm	ASTM D5185m	>10	0	<1	<1	
Titanium	ppm	ASTM D5185m		0	<1	<1	
Silver	ppm	ASTM D5185m		0	0	<1	
Aluminum	ppm	ASTM D5185m	>25	<1	6	0	
Lead	ppm	ASTM D5185m	>25	0	0	0	
Copper	ppm	ASTM D5185m	>100	0	<1	<1	
Tin	maa	ASTM D5185m	>10	<1	0	0	
Vanadium	ppm	ASTM D5185m		0	0	0	
Cadmium	ppm	ASTM D5185m		0	0	0	
		ام مالم می	l:		la internet	la i a ta muQ	
ADDITIVES				current		070	
Boron	ppm	ASTM D5185m	203	209	208	270	
Barium	ppm		109	0	0	0	
Managana	ррп	ACTM DE105m	0.4	11	10	0	
Manganese	ppm		0	107	16	3	
Magnesium	ppm	ASTM D5185m	0	107	89	83	
Calcium	ppm		33	206	202	215	
Phosphorus	ppm	ASTM D5185m	1352	1255	1371	1318	
Zinc	ppm	ASTM D5185m	11	188	166	161	
Sulfur	ppm	ASTM D5185m	21170	19305	21160	22193	
CONTAMINAN	TS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>75	12	56	12	
Sodium	ppm	ASTM D5185m		<1	4	0	
Potassium	ppm	ASTM D5185m	>20	0	2	2	
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	LIGHT	MODER	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	A MODER	
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	
C.CO.40) Devis 1					Cubmitted [	Du Doul Diddiol	



# **OIL ANALYSIS REPORT**

FLUID PROPERTIES method



SAMPLE IMAGES method indexes current bistory1 history1 color no image no image no image no image no image no image no image no image no image no image no image no image no image no image no image Non-ferrous Maloys Viscosity @ 40°C Viscosity @ 40°C Viscosity @ 40°C Viscosity @ 40°C Viscosity @ 40°C Viscosity @ 40°C Viscosity @ 40°C Non-ferrous Metals PCA0110147 Recieved :: 25 Jan 2024 Diagnose 1: 25			Visc @ 40°C	cSt	ASTM D445	136.5	84.4	91.8	92.7
Color no image no image no image no image no image no image no image no image no image no i			SAMPLE IMA	GES	method	limit/base	current	history1	history2
Bottom no image no image no image no image CRAPHS Ferrous Alloys 0 0 0 0 0 0 0 0 0 0 0 0 0	22 -	23	Color				no image	no image	no image
Forrous Alloys	Mar28 Aug9	Feb7, Jun27, Dec6, Jan25,	Bottom				no image	no image	no image
<ul> <li>Encrete Russ</li> <li>Suborator N. Schorther, USA - 501 Madison Ave., Cary, NC 27513. Lab Number : 10047047</li> <li>Monster Contact Usations Service at 1-800-237-189.</li> <li>MUMHTE E CO - COLUMBIA DUVICE LISA - 501 Madison Ave., Cary, NC 27513. Recieved :: 25 Jan 2024 Diagnosticians this sample report, contact Customer Service at 1-800-237-189.</li> <li>MUMHTE E CO - COLUMBIA DUVICE IN 2-2014 Diagnosticians this sample report, contact Customer Service at 1-800-237-189.</li> </ul>			GRAPHS						
Laboratory       : WearCheck USA - 501 Madison Ave., Cary, NC 27513       NW WHITE & CO - COLUMBIA DIVISION         Sample No.       : PCA0116147       Recieved       : 25 Jan 2024       100 INDEPENDENCE BLV         Lab Number       : 06071227       Diagnosed       : 26 Jan 2024       COLUMBIA, S         Unique Number       : 10847904       Diagnostician       : Wes Davis       US 292         Certificate 12367       Test Package       : FLEET       Contact: GEORGE EDWARD         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.       Generation.			Perrous Alloys and a second s	Mar28/22	Feb7/23         Feb7/23 <t< th=""><th>Jan25,24 Jan25,24</th><th></th><th></th><th></th></t<>	Jan25,24 Jan25,24			
	Certificate L2367 To discuss th * - Denotes te	Laboratory Sample No. Lab Number Unique Number Test Package is sample report, est methods that	: WearCheck USA : PCA0116147 : 06071227 r : 10847904 e : FLEET contact Customer Se are outside of the ISO	- 501 Mad Recieve Diagnos Diagnos	ison Ave., Ca ed : 25 sed : 26 stician : Wes 800-237-1369 ope of accred	ry, NC 2751: Jan 2024 Jan 2024 s Davis D. itation.	3 <b>NW WH</b>	IITE & CO - COLU 100 INDEPEI ( Contact: GEOR gedwards	JMBIA DIVISION NDENCE BLVD COLUMBIA, SC US 29210 GE EDWARDS @nwwhite.com T:

\* - Denotes test method Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)