

OIL ANALYSIS REPORT

NWW GREENWOOD

DT707

Front Differential

CHEVRON DELO SYNTHETIC GEAR 75W90 (4 GAL)

Sample Rating Trend NORMAL

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

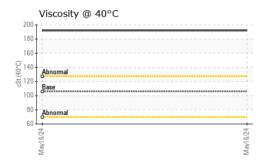
Fluid Condition

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

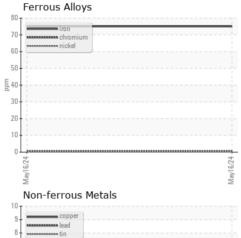
Sample Number Client Info PCA0127156) (4 GAL)				May2024		
Client Info	SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Machine Age mis Client Info 0 0 0 0 0 0 0 0 0	Sample Number		Client Info		PCA0127156		
Dil Changed	Sample Date		Client Info		16 May 2024		
Contamper Cont	Machine Age	mls	Client Info		212528		
CONTAMINATION	Oil Age	mls	Client Info		0		
CONTAMINATION method limit/base current history1 history2 Water WC Method 2 NEG	Oil Changed		Client Info		Not Changd		
WEAR METALS	Sample Status				NORMAL		
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >500 75	CONTAMINAT	ΓΙΟΝ	method	limit/base	current	history1	history2
Chromium	Water		WC Method	>.2	NEG		
ASTM D5185m >10	WEAR METAL	_S	method	limit/base	current	history1	history2
Nickel	ron	ppm	ASTM D5185m	>500	75		
Nickel	Chromium	ppm	ASTM D5185m	>10	<1		
Silver	Nickel		ASTM D5185m	>10	<1		
Astronometric Astronometri	Γitanium		ASTM D5185m		<1		
ASTM D5185m >25	Silver				<1		
December December				>25			
Description	_ead						
Tin				>100			
Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 274 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 5 Magnesium ppm ASTM D5185m 5 Magnesium ppm ASTM D5185m 6 Phosphorus ppm ASTM D5185m 1325 Phosphorus ppm ASTM D5185m 2 Zinc ppm ASTM D5185m 2 Zinc ppm ASTM D5185m 2 Contassium ppm ASTM D5185m >75 16					_		
ADDITIVES					_		
Boron							
Barium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m <1 Manganese ppm ASTM D5185m 5 Magnesium ppm ASTM D5185m <1	Boron	ppm	ASTM D5185m		274		
Manganese ppm ASTM D5185m 5 Magnesium ppm ASTM D5185m <1	Barium	ppm	ASTM D5185m		0		
Magnesium ppm ASTM D5185m <1 Calcium ppm ASTM D5185m 6 Phosphorus ppm ASTM D5185m 1325 Zinc ppm ASTM D5185m 2 Sulfur ppm ASTM D5185m 24072 CONTAMINANTS method limit/base current history1 history2 Gilicon ppm ASTM D5185m >75 16 Godium ppm ASTM D5185m >20 1 Potassium ppm ASTM D5185m >20 1 VISUAL method limit/base current history1 history2 Visual NONE NONE Vellow Metal scalar *Visual NONE NONE Verecipitate	Molybdenum	ppm	ASTM D5185m		<1		
Calcium ppm ASTM D5185m 6 Phosphorus ppm ASTM D5185m 1325 Zinc ppm ASTM D5185m 2 Sulfur ppm ASTM D5185m 24072 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 16 Potassium ppm ASTM D5185m >20 1 Potassium ppm ASTM D5185m >20 1 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Yellow Metal	Manganese	ppm	ASTM D5185m		5		
Phosphorus ppm ASTM D5185m 1325 Zinc ppm ASTM D5185m 2 Sulfur ppm ASTM D5185m 24072 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 16 Bodium ppm ASTM D5185m >20 1 Potassium ppm ASTM D5185m >20 1 Potassium ppm ASTM D5185m >20 1 Potassium ppm ASTM D5185m >20 1 VISUAL method limit/base current history1 history2 Viellow Metal scalar *Visual NONE Vereilow Metal scalar *Visual NONE NONE <td>Magnesium</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <td><1</td> <td></td> <td></td>	Magnesium	ppm	ASTM D5185m		<1		
Zinc	Calcium	ppm	ASTM D5185m		6		
Zinc	Phosphorus	ppm	ASTM D5185m		1325		
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 16 Sodium ppm ASTM D5185m 0 Potassium ppm ASTM D5185m >20 1 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Emulsified Water scalar *Visual		ppm	ASTM D5185m		2		
Silicon	Sulfur		ASTM D5185m		24072		
Sodium	CONTAMINAN	NTS	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 1 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >.2 NEG Free Water scalar *Visual </td <td>Silicon</td> <td>ppm</td> <td>ASTM D5185m</td> <td>>75</td> <td>16</td> <td></td> <td></td>	Silicon	ppm	ASTM D5185m	>75	16		
Potassium ppm ASTM D5185m >20 1 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Emulsified Water scalar *Visual >.2 NEG Free Water scalar *Visual NEG	Sodium		ASTM D5185m		0		
White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Ddor scalar *Visual NORML NORML Emulsified Water scalar *Visual >.2 NEG Free Water scalar *Visual NEG	Potassium		ASTM D5185m	>20	1		
Yellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Ddor scalar *Visual NORML NORML Emulsified Water scalar *Visual >.2 NEG Free Water scalar *Visual NEG	VISUAL		method	limit/base	current	history1	history2
Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Ddor scalar *Visual NORML NORML Emulsified Water scalar *Visual >.2 NEG Free Water scalar *Visual NEG							
Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Ddor scalar *Visual NORML NORML Emulsified Water scalar *Visual >.2 NEG Free Water scalar *Visual NEG	Yellow Metal	scalar		NONE			
Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Ddor scalar *Visual NORML NORML Emulsified Water scalar *Visual >.2 NEG Free Water scalar *Visual NEG	Precipitate	scalar	*Visual	NONE	NONE		
Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Ddor scalar *Visual NORML NORML Emulsified Water scalar *Visual >.2 NEG Free Water scalar *Visual NEG	Silt	scalar	*Visual	NONE	NONE		
Appearance scalar *Visual NORML NORML Ddor scalar *Visual NORML NORML Emulsified Water scalar *Visual >.2 NEG Free Water scalar *Visual NEG	Debris	scalar	*Visual	NONE	NONE		
Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >.2 NEG Free Water scalar *Visual NEG	Sand/Dirt	scalar	*Visual	NONE	NONE		
Emulsified Water scalar *Visual >.2 NEG Free Water scalar *Visual NEG	Appearance	scalar	*Visual	NORML	NORML		
Free Water scalar *Visual NEG	Odor	scalar	*Visual	NORML	NORML		
		scalar	*Visual	>.2	NEG		
07:09) Rev: 1 Submitted By: James Thre		scalar	*Visual		NEG		

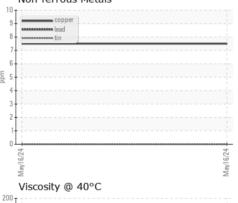


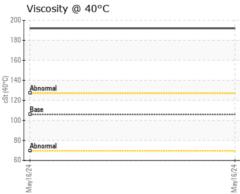
OIL ANALYSIS REPORT



FLUID PROPI	ERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	106	192		
SAMPLE IMA	GES	method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image











Certificate 12367

Sample No. : PCA0127156 Lab Number : 06189833

Unique Number : 11046585 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 23 May 2024 Tested

: 30 May 2024 Diagnosed : 30 May 2024 - Jonathan Hester

NW WHITE & CO - GREENWOOD DIVISION 411 QUARRY ROAD

GREENWOOD, SC US 29149

Contact: Mitchell Brown greenwoodshop@nwwhite.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.

T: (864)389-9553

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)