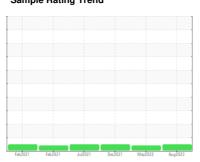


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id **T288**Component

Front Differential

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

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

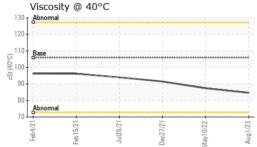
Fluid Condition

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

SAMPLE INFORMATION method limit/base current history1 Sample Number Client Info PCA0100084 PCA0071347 Sample Date Client Info 01 Aug 2023 10 May 2022 Machine Age mls Client Info 6930 0 Oil Age mls Client Info Not Changd N/A Oil Changed Client Info Not Changd N/A Sample Status NORMAL MARGINAL WEAR METALS method limit/base current history1 Iron ppm ASTM D5185m >500 77 75 Chromium ppm ASTM D5185m >10 <1 <1 Nickel ppm ASTM D5185m >10 0 <1 Silver ppm ASTM D5185m >25 1 1 Lead ppm ASTM D5185m >10 0 <1 Copper ppm ASTM D5185m >10 0 <1 Tin pp	history2 PCA0063066 27 Dec 2021 74430 74430 N/A NORMAL history2 56 <1 0 0 <1 0 <1 0 <1 0 0 <1 0 0
Sample Date Client Info 01 Aug 2023 10 May 2022 Machine Age mls Client Info 202739 0 Oil Age mls Client Info 6930 0 Oil Changed Client Info Not Changd N/A Sample Status NORMAL MARGINAL WEAR METALS method limit/base current history1 Iron ppm ASTM D5185m >500 77 75 Chromium ppm ASTM D5185m >10 0 0 Nickel ppm ASTM D5185m >10 0 0 Titanium ppm ASTM D5185m >25 1 1 Silver ppm ASTM D5185m >25 1 1 Lead ppm ASTM D5185m >10 0 0 Copper ppm ASTM D5185m >10 0 <1 Tin ppm ASTM D5185m >5 V	27 Dec 2021 74430 74430 N/A NORMAL history2 56 <1 0 0 <1 0 <1 0 <1 0
Machine Age mls Client Info 202739 0 Oil Age mls Client Info 6930 0 Oil Changed Client Info Not Changd N/A Sample Status NORMAL MARGINAL WEAR METALS method limit/base current history1 Iron ppm ASTM D5185m >500 77 75 Chromium ppm ASTM D5185m >10 <1	74430 74430 N/A NORMAL history2 56 <1 0 0 0 <1 0
Oil Age mls Client Info 6930 0 Oil Changed Sample Status Client Info Not Changd N/A NORMAL N/A NORMAL WEAR METALS method limit/base current history1 Irron ppm ASTM D5185m >500 77 75 Chromium ppm ASTM D5185m >10 <1	74430 N/A NORMAL history2 56 <1 0 0 0 <1 0 <1 0
Oil Changed Sample Status Client Info Not Changd N/A NORMAL N/A MARGINAL WEAR METALS method limit/base current history1 Irron ppm ASTM D5185m >500 77 75 Chromium ppm ASTM D5185m >10 <1	N/A NORMAL history2 56 <1 0 0 0 <1 0 <1
Sample Status NORMAL MARGINAL WEAR METALS method limit/base current history1 Iron ppm ASTM D5185m >500 77 75 Chromium ppm ASTM D5185m >10 <1	NORMAL history2 56 <1 0 0 0 <1 0 <1 0 <1 0
WEAR METALS method limit/base current history1 Iron ppm ASTM D5185m >500 77 75 Chromium ppm ASTM D5185m >10 <1	history2 56 <1 0 0 0 <1 0 <1 0 <1 0
Iron ppm ASTM D5185m >500 77 75 Chromium ppm ASTM D5185m >10 <1 <1 Nickel ppm ASTM D5185m >10 0 0 Titanium ppm ASTM D5185m 0 <1 Silver ppm ASTM D5185m 0 0 Aluminum ppm ASTM D5185m >25 1 1 Lead ppm ASTM D5185m >25 0 0 Copper ppm ASTM D5185m >100 0 1 Tin ppm ASTM D5185m >10 0 <1 Antimony ppm ASTM D5185m 0 0 Cadmium ppm ASTM D5185m 0 0	56 <1 0 0 0 0 <1 0 <1 0 <1 0
Chromium ppm ASTM D5185m >10 <1 <1 Nickel ppm ASTM D5185m >10 0 0 Titanium ppm ASTM D5185m 0 <1	<1 0 0 0 0 <1 0 <1 0
Nickel ppm ASTM D5185m >10 0 0 Titanium ppm ASTM D5185m 0 <1	0 0 0 <1 0 <1 0
Titanium ppm ASTM D5185m 0 <1 Silver ppm ASTM D5185m 0 0 Aluminum ppm ASTM D5185m >25 1 1 Lead ppm ASTM D5185m >25 0 0 Copper ppm ASTM D5185m >100 0 1 Tin ppm ASTM D5185m >10 0 <1 Antimony ppm ASTM D5185m >5 Vanadium ppm ASTM D5185m 0 0 Cadmium ppm ASTM D5185m 0 0	0 0 <1 0 <1 0
Silver ppm ASTM D5185m 0 0 Aluminum ppm ASTM D5185m >25 1 1 Lead ppm ASTM D5185m >25 0 0 Copper ppm ASTM D5185m >100 0 1 Tin ppm ASTM D5185m >10 0 <1 Antimony ppm ASTM D5185m >5 Vanadium ppm ASTM D5185m 0 0 Cadmium ppm ASTM D5185m 0 0	0 <1 0 <1 0
Aluminum ppm ASTM D5185m >25 1 1 Lead ppm ASTM D5185m >25 0 0 Copper ppm ASTM D5185m >100 0 1 Tin ppm ASTM D5185m >10 0 <1	<1 0 <1 0
Lead ppm ASTM D5185m >25 0 0 Copper ppm ASTM D5185m >100 0 1 Tin ppm ASTM D5185m >10 0 <1 Antimony ppm ASTM D5185m >5 Vanadium ppm ASTM D5185m 0 0 Cadmium ppm ASTM D5185m 0 0	0 <1 0
Copper ppm ASTM D5185m >100 0 1 Tin ppm ASTM D5185m >10 0 <1	<1 0
Tin ppm ASTM D5185m >10 0 <1 Antimony ppm ASTM D5185m >5 Vanadium ppm ASTM D5185m 0 0 Cadmium ppm ASTM D5185m 0 0	0
Antimony ppm ASTM D5185m >5 Vanadium ppm ASTM D5185m 0 0 Cadmium ppm ASTM D5185m 0 0	
Vanadium ppm ASTM D5185m 0 0 Cadmium ppm ASTM D5185m 0 0	0
Cadmium ppm ASTM D5185m 0	
	0
	0
ADDITIVES method limit/base current history1	history2
Boron ppm ASTM D5185m 243 224	246
Barium ppm ASTM D5185m 0	2
Molybdenum ppm ASTM D5185m 9 6	6
Manganese ppm ASTM D5185m 2 3	3
MagnesiumppmASTM D5185m13176	74
Calcium ppm ASTM D5185m 241 185	106
Phosphorus ppm ASTM D5185m 1458 1343	1415
Zinc ppm ASTM D5185m 212 147	112
Sulfur ppm ASTM D5185m 26835 18245	21024
CONTAMINANTS method limit/base current history1	history2
Silicon ppm ASTM D5185m >75 14 14	13
Sodium ppm ASTM D5185m 1 1	2
Potassium ppm ASTM D5185m >20 0 <1	0
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 NONE NONE	NONE
Debris scalar *Visual NONE NONE A MODER	LIGHT
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

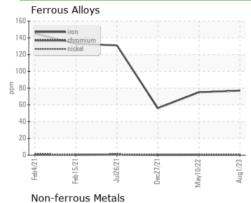


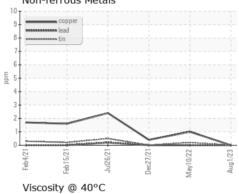
OIL ANALYSIS REPORT

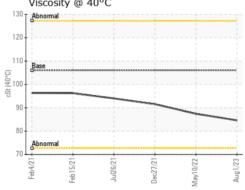


FLUID PROF	PERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	106	84.6	87.4	91.5
SAMPLE IMA	AGES	method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image

GRAPHS









Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** Test Package : FLEET

: PCA0100084 : 05918926 : 10590840

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received Diagnosed

: 08 Aug 2023 : 09 Aug 2023 Diagnostician : Sean Felton

NW WHITE & CO - COLUMBIA DIVISION

100 INDEPENDENCE BLVD COLUMBIA, SC US 29210

Contact: GEORGE EDWARDS

gedwards@nwwhite.com T:

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)

F: