



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
T267
 Component
Front Differential
 Fluid
CHEVRON DELO SYNTHETIC GEAR 75W90 (2 hrs)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0116104	PCA0107439	PCA0065409
Sample Date		Client Info		18 Apr 2024	17 Jan 2024	28 Feb 2022
Machine Age	mls	Client Info		331142	158151	75804
Oil Age	mls	Client Info		75000	75804	75804
Filter Age	mls	Client Info		75000	75804	0
Oil Changed		Client Info		Not Changed	Changed	N/A
Filter Changed		Client Info		Not Changed	Not Changed	N/A
Sample Status				NORMAL	ATTENTION	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	43	54	38
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	17	<1
Lead	ppm	ASTM D5185m	>25	0	15	0
Copper	ppm	ASTM D5185m	>100	2	74	0
Tin	ppm	ASTM D5185m	>10	<1	3	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

There is no indication of any contamination in the oil.

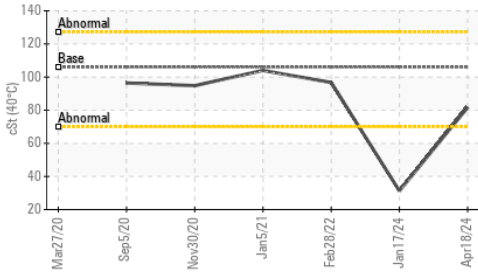
Silicon	ppm	ASTM D5185m	>75	9	7	4
Potassium	ppm	ASTM D5185m	>20	0	1	0
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	NEG

FLUID CONDITION

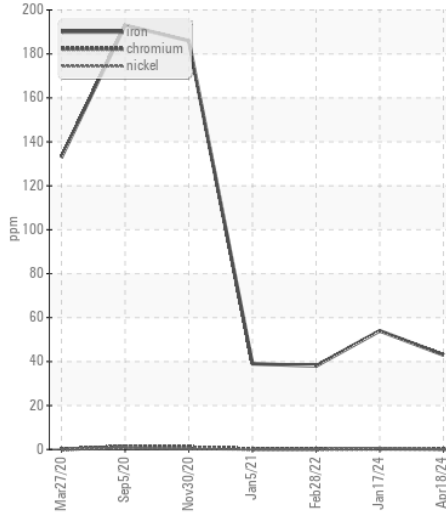
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		2	2	0
Boron	ppm	ASTM D5185m		256	86	268
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		18	<1	2
Manganese	ppm	ASTM D5185m		2	1	1
Magnesium	ppm	ASTM D5185m		80	1	21
Calcium	ppm	ASTM D5185m		245	118	25
Phosphorus	ppm	ASTM D5185m		1344	284	1370
Zinc	ppm	ASTM D5185m		156	14	26
Sulfur	ppm	ASTM D5185m		25219	3214	21013
Visc @ 40°C	cSt	ASTM D445	106	81.7	31.3	96.7

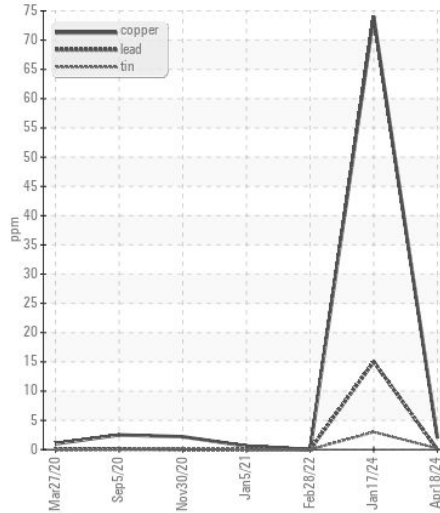
Viscosity @ 40°C



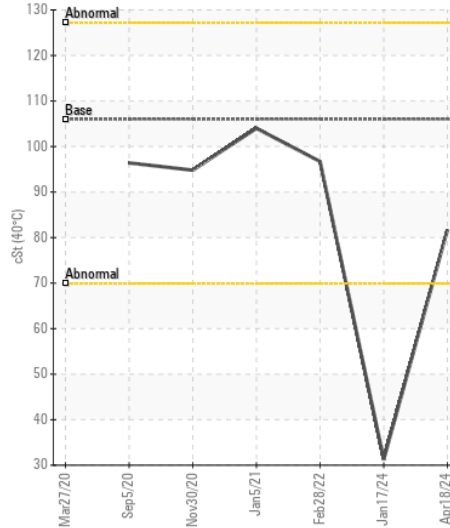
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : PCA0116104
 Lab Number : 06156308
 Unique Number : 10991731
 Test Package : FLEET

Received : 22 Apr 2024
 Tested : 23 Apr 2024
 Diagnosed : 23 Apr 2024 - Wes Davis

NW WHITE & CO - SPECIAL SERVICE DIVISION
 100 INDEPENDENCE BLVD
 COLUMBIA, SC
 US 29210
 Contact: George Edwards
 gedwards@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.

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

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F: