



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
DT38
 Component
Front Differential
 Fluid
CHEVRON DELO SYNTHETIC GEAR 75W90 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0116156	PCA0090321	PCA0098263
Sample Date		Client Info		27 Jun 2024	07 Nov 2023	08 May 2023
Machine Age	mls	Client Info		210975	179319	155169
Oil Age	mls	Client Info		210975	75000	155169
Filter Age	mls	Client Info		0	75000	155169
Oil Changed		Client Info		Not Chngd	N/A	Changed
Filter Changed		Client Info		Not Chngd	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	209	94	110
Chromium	ppm	ASTM D5185m	>10	2	<1	<1
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	6	2	0
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>100	50	4	12
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

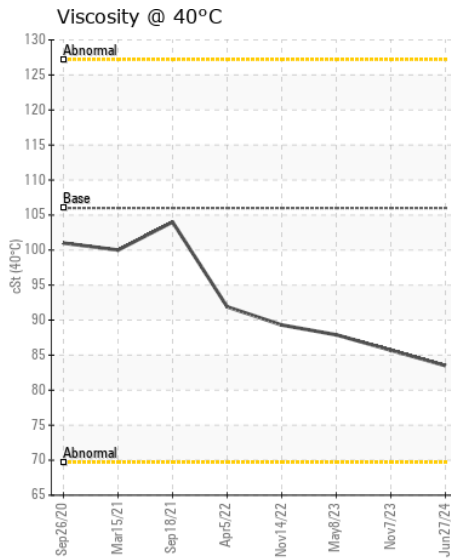
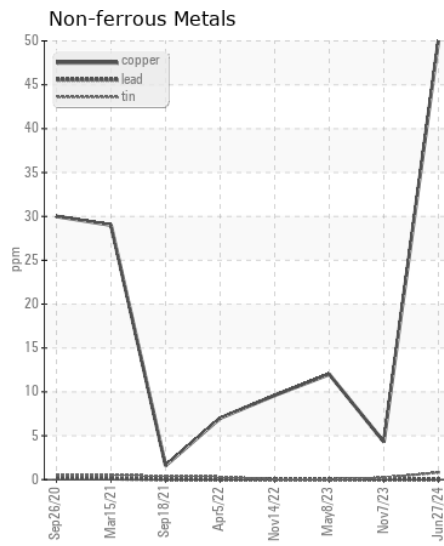
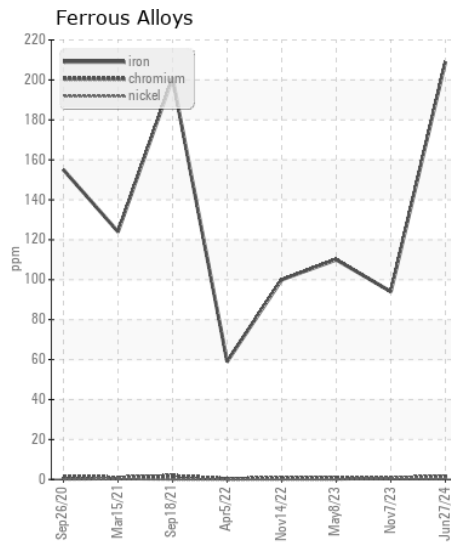
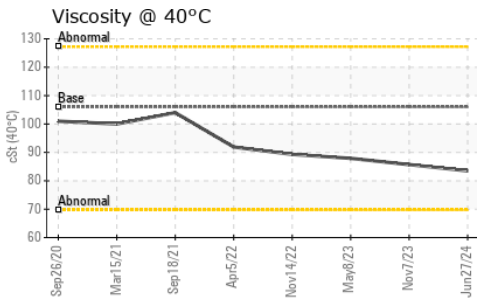
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	60	46	18
Potassium	ppm	ASTM D5185m	>20	3	1	2
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	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		0	1	3
Boron	ppm	ASTM D5185m		206	243	229
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		11	10	6
Manganese	ppm	ASTM D5185m		5	2	6
Magnesium	ppm	ASTM D5185m		108	129	79
Calcium	ppm	ASTM D5185m		224	209	105
Phosphorus	ppm	ASTM D5185m		1262	1392	1359
Zinc	ppm	ASTM D5185m		191	196	109
Sulfur	ppm	ASTM D5185m		18476	21100	26523
Visc @ 40°C	cSt	ASTM D445	106	83.5	85.7	87.9



Certificate L2367

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

Sample No. : PCA0116156

Lab Number : 06224857

Unique Number : 11103054

Test Package : FLEET

Received : 01 Jul 2024

Tested : 02 Jul 2024

Diagnosed : 02 Jul 2024 - Don Baldrige

HK STEEL INC

400 N PARSON ST

WEST COLUMBIA, SC

US 29169

Contact: GEORGE EDWARDS

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T:

F:

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)