



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
CATERPILLAR 815-F COMPACTOR 34100 (S/N 1GN00563)
 Component
Transmission
 Fluid
CHEVRON TRANS DRIVE HD SAE 30 (25 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0950543	WC0689198	WCMC175837
Sample Date		Client Info		10 Jul 2024	25 May 2022	29 Jun 2018
Machine Age	hrs	Client Info		1178	10077	8595
Oil Age	hrs	Client Info		1000	1000	36
Filter Age	hrs	Client Info		1000	1000	36
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Changed	Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	26	12	8
Chromium	ppm	ASTM D5185m	>10	0	0	<1
Nickel	ppm	ASTM D5185m		0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		<1	0	<1
Aluminum	ppm	ASTM D5185m	>50	1	1	1
Lead	ppm	ASTM D5185m	>50	3	2	0
Copper	ppm	ASTM D5185m	>200	149	79	69
Tin	ppm	ASTM D5185m	>10	0	<1	3
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

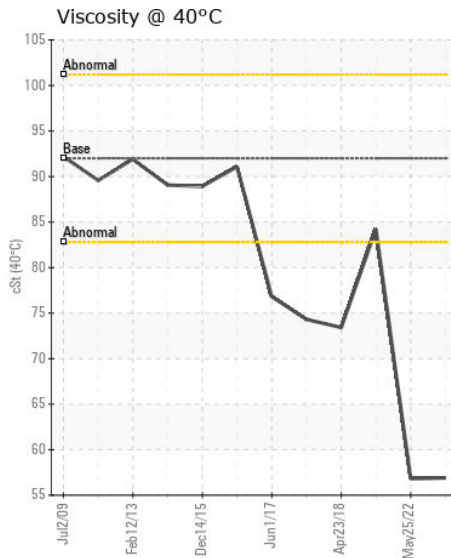
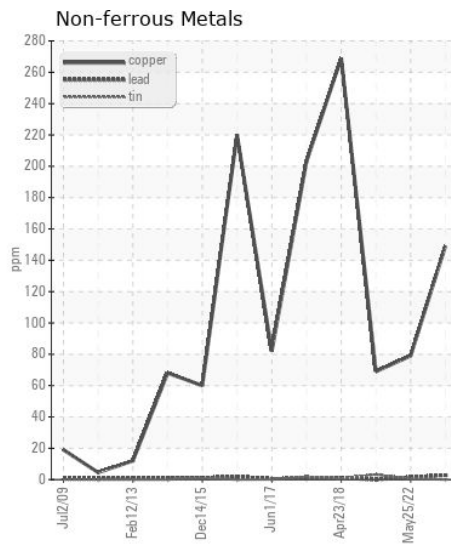
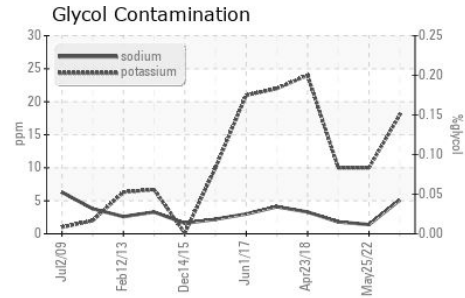
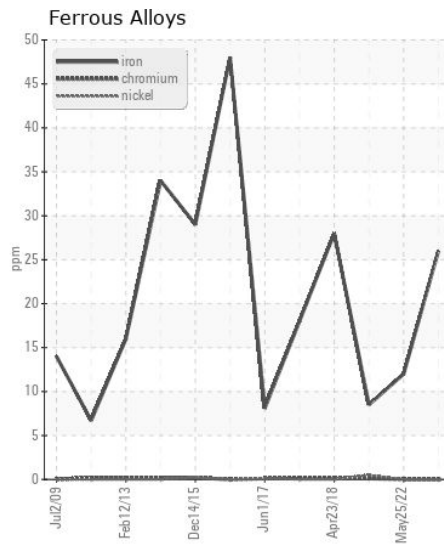
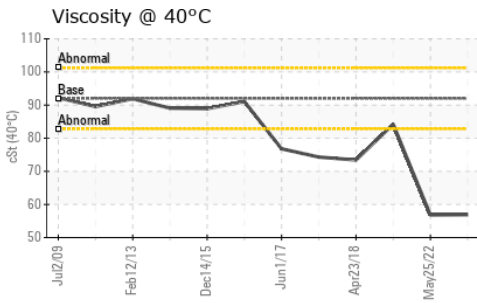
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>50	7	4	6
Potassium	ppm	ASTM D5185m	>20	18	10	10
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		5	1	2
Boron	ppm	ASTM D5185m		9	20	75
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		6	5	12
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		32	30	63
Calcium	ppm	ASTM D5185m		3056	3011	2919
Phosphorus	ppm	ASTM D5185m		987	946	803
Zinc	ppm	ASTM D5185m		1071	1134	953
Sulfur	ppm	ASTM D5185m		3792	3390	4509
Visc @ 40°C	cSt	ASTM D445	92	56.9	56.8	84.21



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0950543 **Received** : 11 Jul 2024
Lab Number : 06233664 **Tested** : 13 Jul 2024
Unique Number : 11117157 **Diagnosed** : 13 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: Glycol)

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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