



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Off Road
Machine Id
CATERPILLAR 730 AD410 (S/N OAGF00691)
Component
Center Left Final Drive
Fluid
DURALENE Dura-Trans TO-4 50 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0674959	WC0615303	WC0395455
Sample Date		Client Info		10 Nov 2023	25 Mar 2022	07 May 2020
Machine Age	hrs	Client Info		17605	17240	16824
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>800	78	61	65
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m	>15	<1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>75	2	4	4
Lead	ppm	ASTM D5185m	>10	0	<1	1
Copper	ppm	ASTM D5185m	>75	4	3	3
Tin	ppm	ASTM D5185m	>8	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

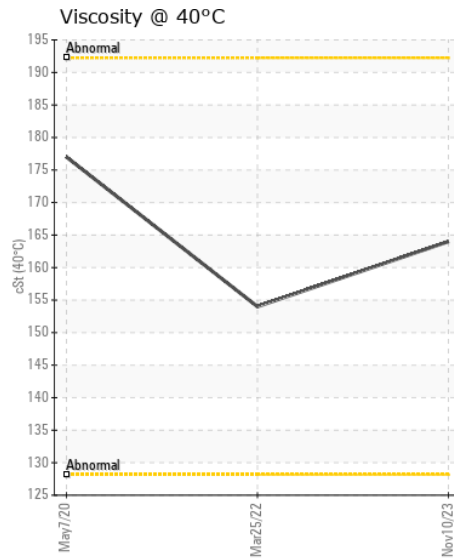
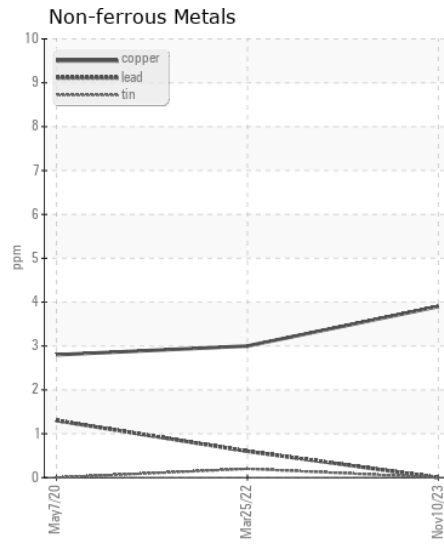
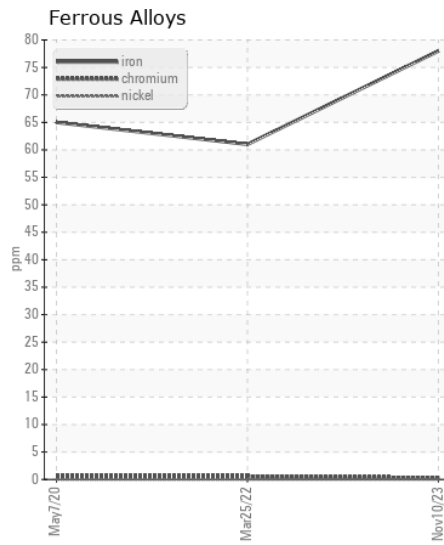
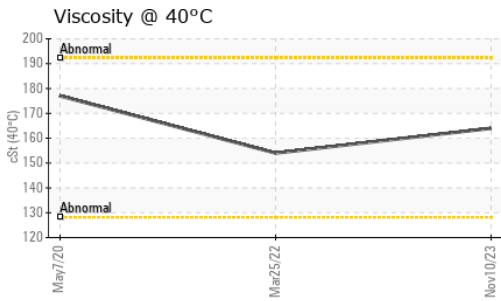
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>400	69	48	44
Potassium	ppm	ASTM D5185m	>20	3	0	<1
Water		WC Method	>0.2	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	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	2	3
Boron	ppm	ASTM D5185m		6	7	6
Barium	ppm	ASTM D5185m		3	0	0
Molybdenum	ppm	ASTM D5185m		<1	2	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		19	25	12
Calcium	ppm	ASTM D5185m		3706	3596	3593
Phosphorus	ppm	ASTM D5185m		1029	888	804
Zinc	ppm	ASTM D5185m		1146	984	994
Sulfur	ppm	ASTM D5185m		13761	9193	8658
Visc @ 40°C	cSt	ASTM D445		164	154	177



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0674959 **Received** : 17 Jan 2024
Lab Number : 06063216 **Diagnosed** : 18 Jan 2024
Unique Number : 10834598 **Diagnostician** : Wes Davis
Test Package : CONST

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)

GRAY & SON INC
 430 W PADONIA RD
 TIMONIUM, MD
 US 21093-2274
 Contact: DON WIMER
 dwimer@graynson.com
 T: (410)771-4311
 F: (410)560-0394