



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
CATERPILLAR 950K C236293 (S/N R4A02277)
 Component
Transmission (Manual)
 Fluid
CAT DIESEL ENGINE OIL SAE 30 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0225426	JR0195999	JR0184033
Sample Date		Client Info		15 Jul 2024	07 Dec 2023	07 Sep 2023
Machine Age	hrs	Client Info		21248	21248	20744
Oil Age	hrs	Client Info		21248	20804	444
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		Not Changed	Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	19	16	17
Iron	ppm	ASTM D5185m	>200	12	10	8
Chromium	ppm	ASTM D5185m	>5	0	0	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>7	0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	2	<1
Lead	ppm	ASTM D5185m	>45	<1	<1	1
Copper	ppm	ASTM D5185m	>225	21	24	15
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

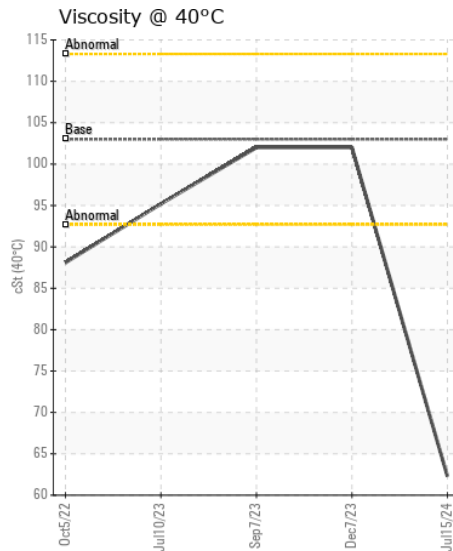
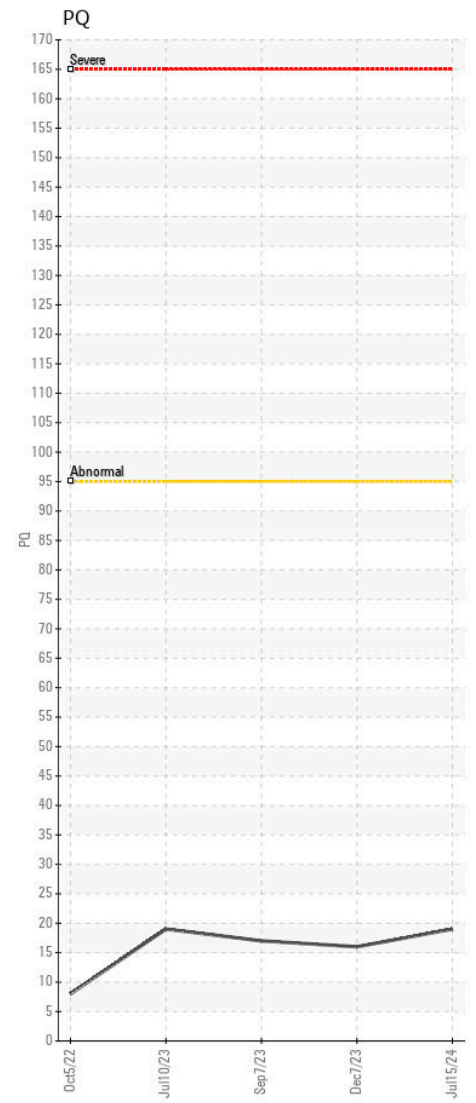
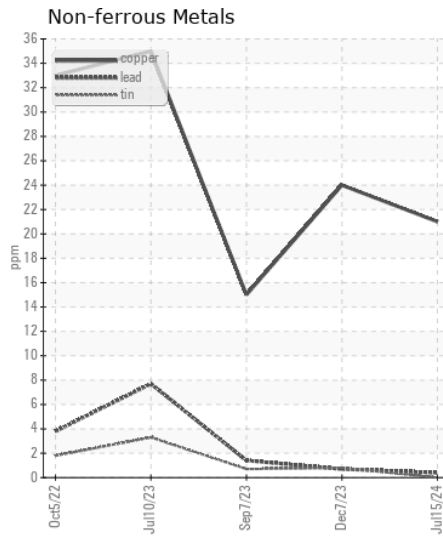
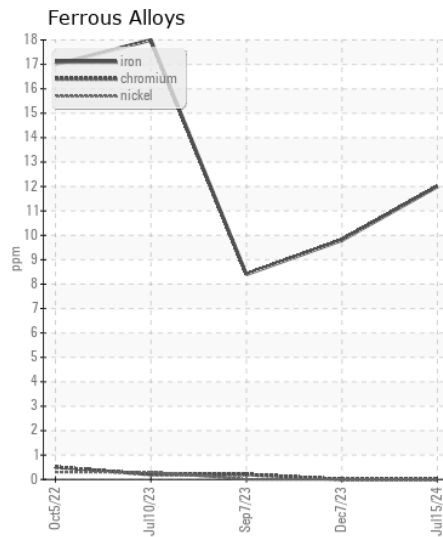
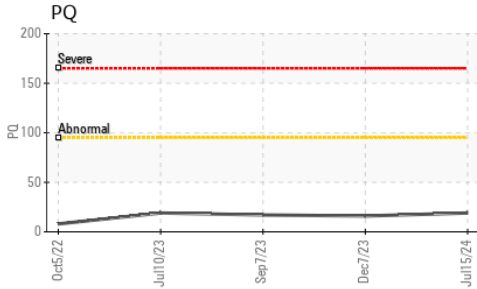
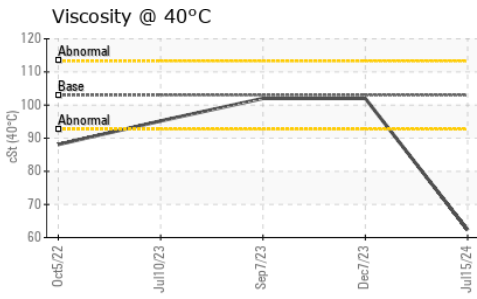
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	12	10	8
Potassium	ppm	ASTM D5185m	>20	18	0	2
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		6	4	2
Boron	ppm	ASTM D5185m		3	0	<1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		6	0	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		47	17	14
Calcium	ppm	ASTM D5185m		2436	3074	3041
Phosphorus	ppm	ASTM D5185m	1100	814	1032	946
Zinc	ppm	ASTM D5185m	1200	897	1220	1201
Sulfur	ppm	ASTM D5185m		5246	6130	7080
Visc @ 40°C	cSt	ASTM D445	103	62.3	102	102



Certificate L2367

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

Sample No. : JR0225426

Lab Number : 06240535

Unique Number : 11129369

Test Package : CONST (Additional Tests: PQ)

Received : 18 Jul 2024

Tested : 19 Jul 2024

Diagnosed : 20 Jul 2024 - Don Baldrige

TITAN VIRGINIA READY MIX LLC

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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)