



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Machine Id
CATERPILLAR AP555F AP-12 AUGER
Component
Right Conveyor
Fluid
{not provided} (2 QTS)

RECOMMENDATION

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

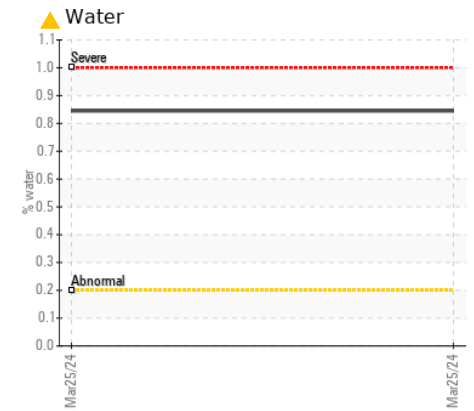
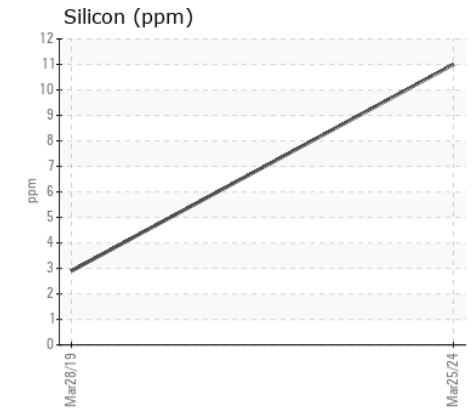
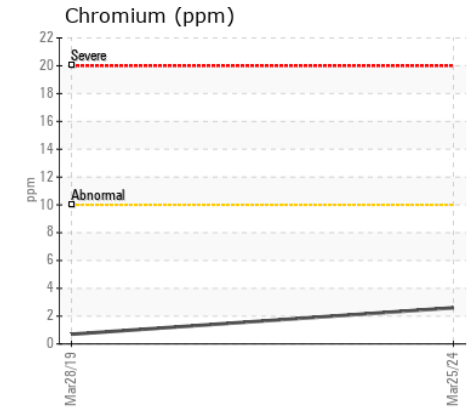
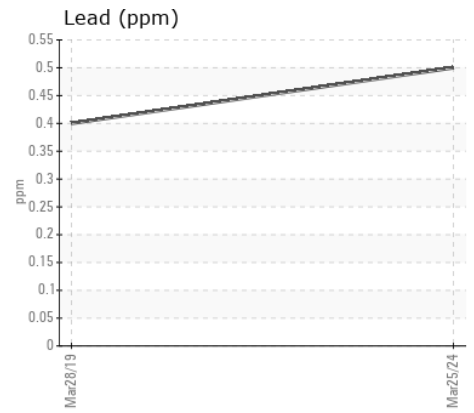
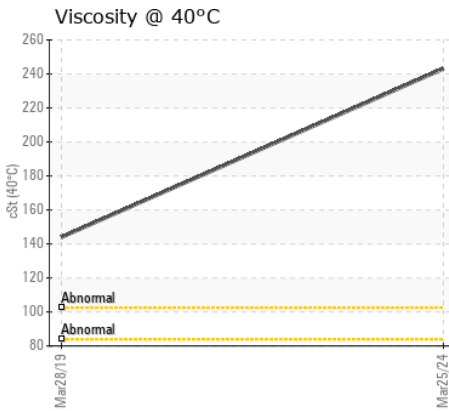
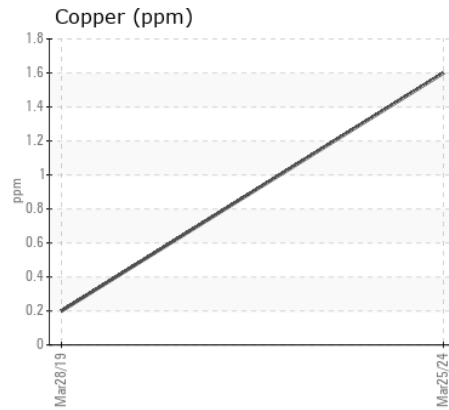
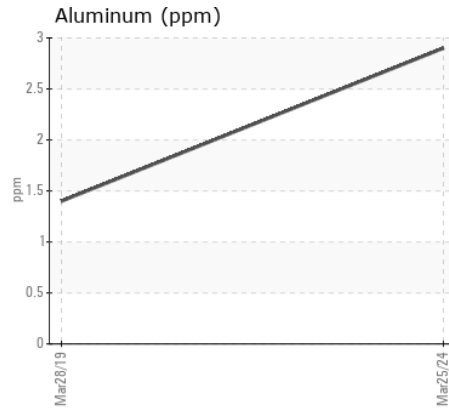
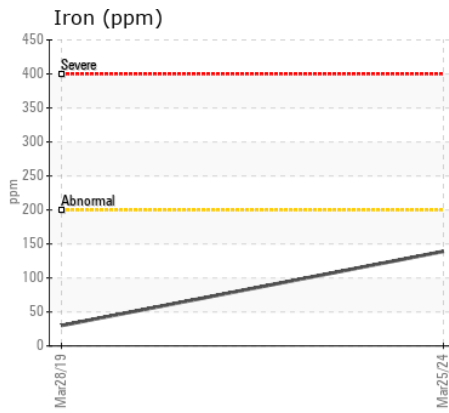
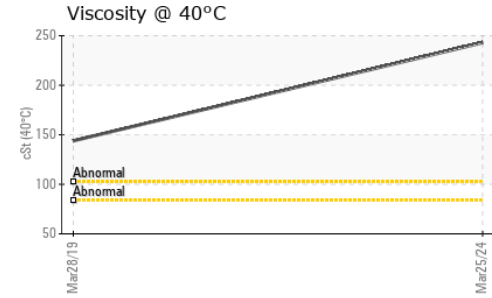
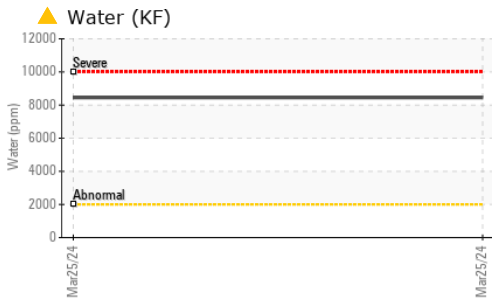
CONTAMINATION

Appearance is unacceptable There is a moderate concentration of water present in the oil.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0034919	DCM1044831	---
Sample Date		Client Info		25 Mar 2024	28 Mar 2019	---
Machine Age	hrs	Client Info		2178	1136	---
Oil Age	hrs	Client Info		300	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	NORMAL	---
Iron	ppm	ASTM D5185m	>200	139	30	---
Chromium	ppm	ASTM D5185m	>10	3	<1	---
Nickel	ppm	ASTM D5185m	>10	<1	0	---
Titanium	ppm	ASTM D5185m		1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m		3	1	---
Lead	ppm	ASTM D5185m		<1	<1	---
Copper	ppm	ASTM D5185m		2	<1	---
Tin	ppm	ASTM D5185m		<1	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m		11	3	---
Potassium	ppm	ASTM D5185m	>20	1	0	---
Water	%	ASTM D6304	>0.2	▲ 0.845	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 8450	---	---
Silt	scalar	*Visual	NONE	MODER	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	● MILKY	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	0.2%	NEG	---
Sodium	ppm	ASTM D5185m		5	5	---
Boron	ppm	ASTM D5185m		173	18	---
Barium	ppm	ASTM D5185m		2	0	---
Molybdenum	ppm	ASTM D5185m		13	21	---
Manganese	ppm	ASTM D5185m		8	1	---
Magnesium	ppm	ASTM D5185m		6	<1	---
Calcium	ppm	ASTM D5185m		80	107	---
Phosphorus	ppm	ASTM D5185m		1310	400	---
Zinc	ppm	ASTM D5185m		115	70	---
Sulfur	ppm	ASTM D5185m		25852	18637	---
Visc @ 40°C	cSt	ASTM D445		243	143.9	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0034919 **Received** : 15 Apr 2024
Lab Number : 06149024 **Tested** : 17 Apr 2024
Unique Number : 10979102 **Diagnosed** : 17 Apr 2024 - Sean Felton
Test Package : MOB 1 (Additional Tests: KF)

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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)