



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Machine Id
TC203

Component
Front Final Drive

Fluid
CHEVRON TORQUE FLUID (26 hrs)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCAI-359805	PCAI-259394	---
Sample Date		Client Info		15 Jun 2020	24 Apr 2020	---
Machine Age	hrs	Client Info		968	653	---
Oil Age	hrs	Client Info		333	327	---
Oil Changed		Client Info		Not Changed	Not Changed	---
Filter Changed		Client Info		Not Changed	Not Changed	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	35	34	---
Chromium	ppm	ASTM D5185(m)	>10	0	0	---
Nickel	ppm	ASTM D5185(m)		0	0	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>25	1	1	---
Lead	ppm	ASTM D5185(m)	>25	0	0	---
Copper	ppm	ASTM D5185(m)	>50	11	9	---
Tin	ppm	ASTM D5185(m)	>10	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

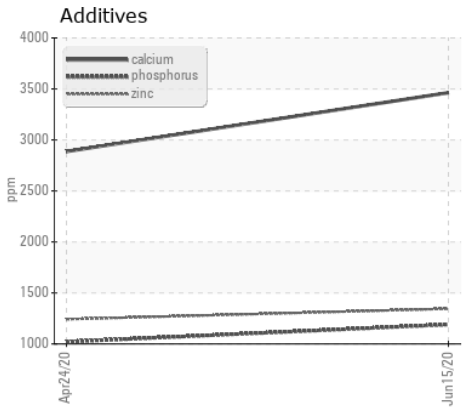
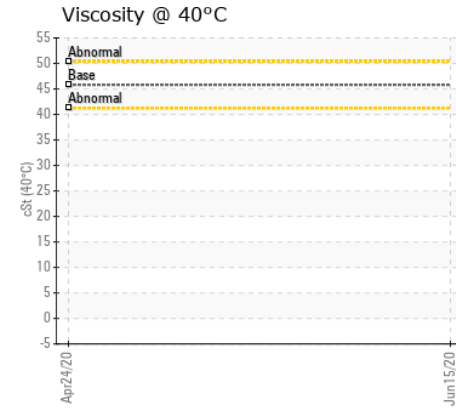
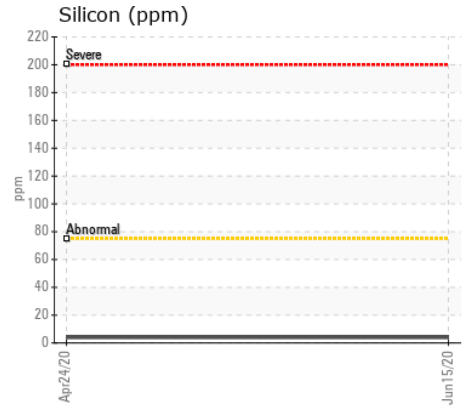
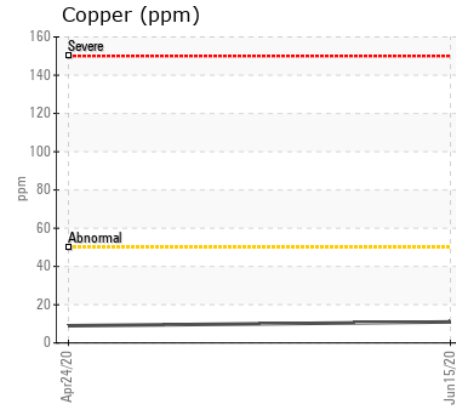
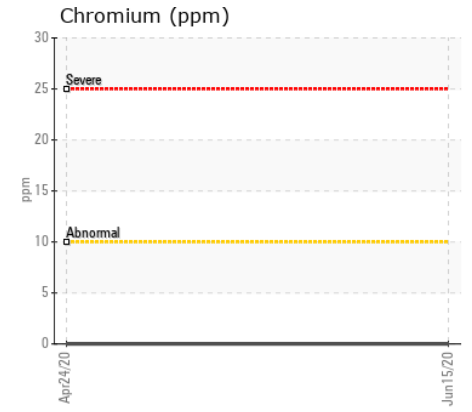
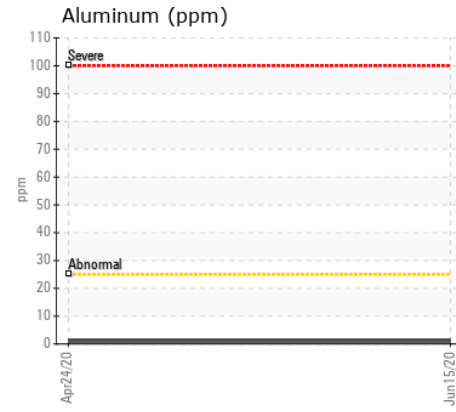
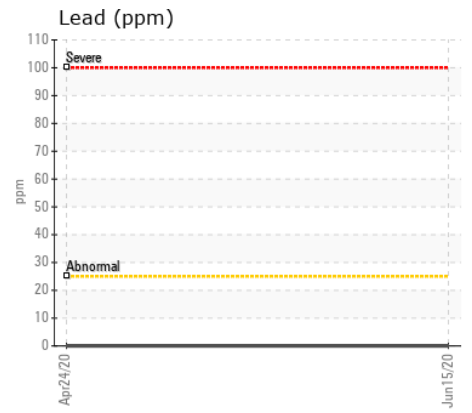
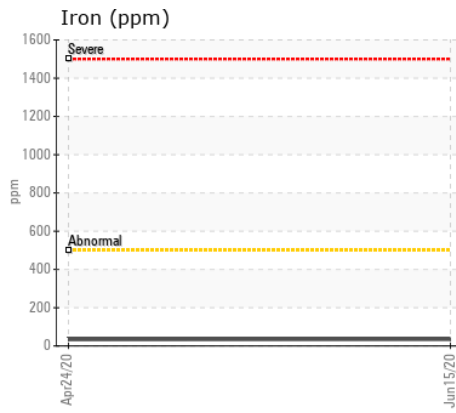
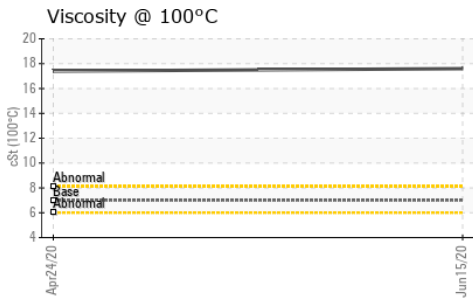
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>75	4	4	---
Potassium	ppm	ASTM D5185(m)	>20	2	1	---
Water		WC Method	>0.2	NEG	NEG	---

FLUID CONDITION

Viscosity of sample indicates oil is within SAE 80W90 range, advise investigate. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		4	4	---
Boron	ppm	ASTM D5185(m)		2	1	---
Barium	ppm	ASTM D5185(m)		0	0	---
Molybdenum	ppm	ASTM D5185(m)		1	1	---
Manganese	ppm	ASTM D5185(m)		1	1	---
Magnesium	ppm	ASTM D5185(m)		15	18	---
Calcium	ppm	ASTM D5185(m)		3463	2887	---
Phosphorus	ppm	ASTM D5185(m)		1190	1021	---
Zinc	ppm	ASTM D5185(m)		1345	1242	---
Visc @ 100°C	cSt	ASTM D7279(m)	7.0	▲ 17.6	▲ 17.4	---



Laboratory : WearCheck -
Sample No. : PCAI-359805
Lab Number : I-359805
Unique Number : 13724567
Test Package : MOB1+ (Additional Tests: ICP, KV100)

Received : 29 Jun 2020
Tested : 30 Jun 2020
Diagnosed : 15 Jul 2020 - Wes Davis

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

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