



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
DOOSAN 225 2310800
 Component
Left Final Drive
 Fluid
PETRO CANADA TRAXON 80W90 (--- GAL)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.
 Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

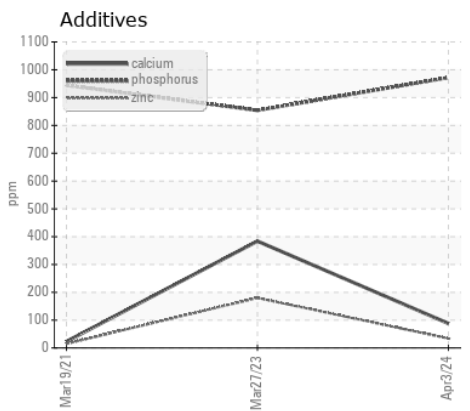
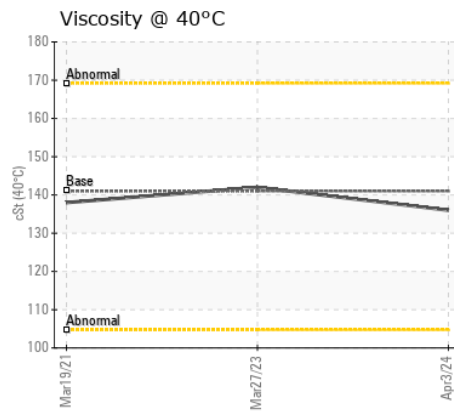
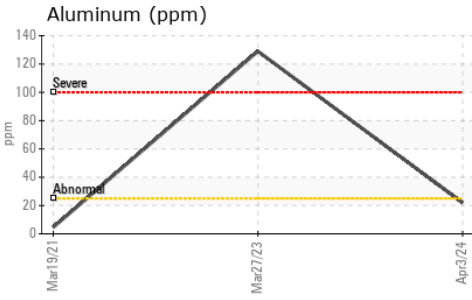
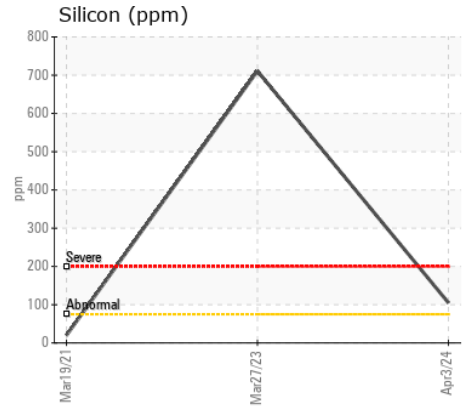
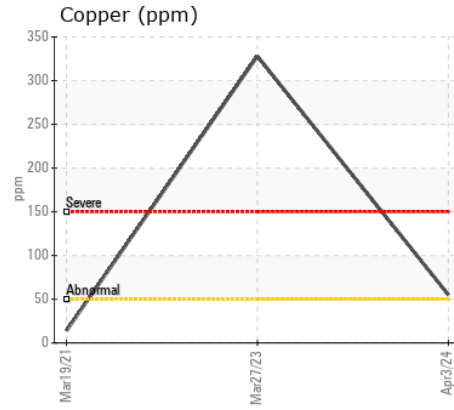
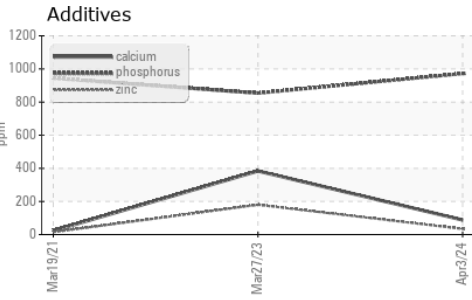
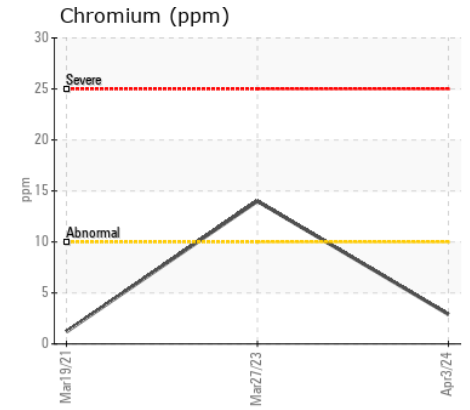
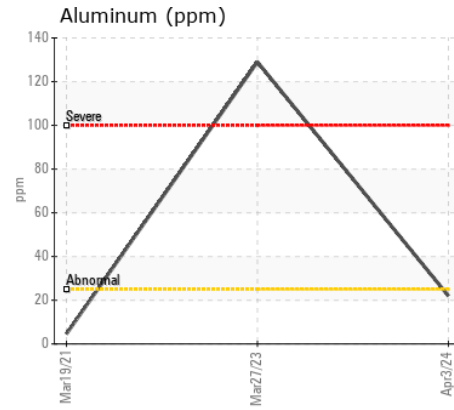
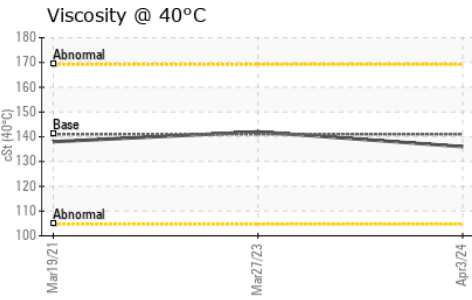
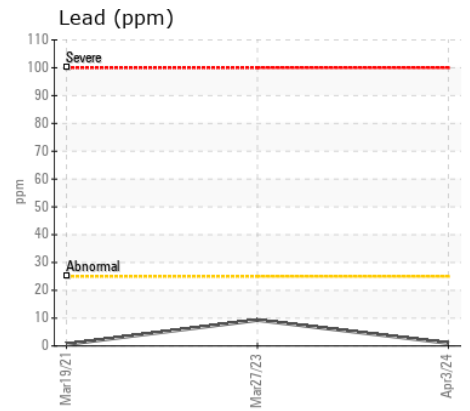
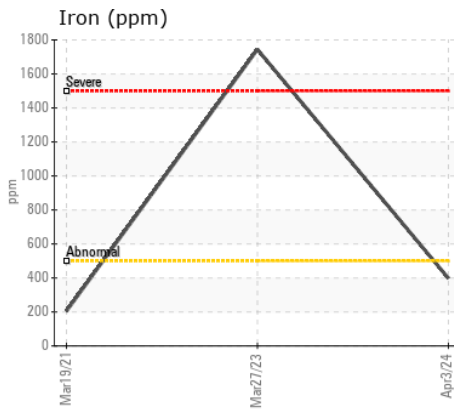
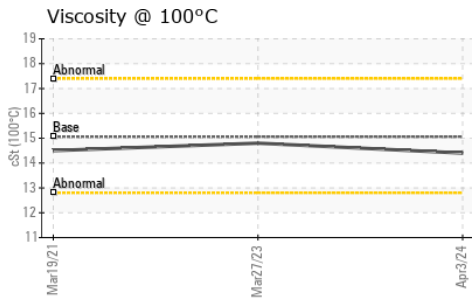
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil.
 The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0084802	PC0071626	PC0043008
Sample Date		Client Info		03 Apr 2024	27 Mar 2023	19 Mar 2021
Machine Age	hrs	Client Info		12997	12421	11531
Oil Age	hrs	Client Info		800	1500	1000
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>500	398	▲ 1744	205
Chromium	ppm	ASTM D5185(m)	>10	3	▲ 14	1
Nickel	ppm	ASTM D5185(m)	>10	3	▲ 18	1
Titanium	ppm	ASTM D5185(m)		1	5	<1
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>25	22	● 129	5
Lead	ppm	ASTM D5185(m)	>25	1	9	<1
Copper	ppm	ASTM D5185(m)	>50	55	▲ 328	14
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	<1	0
White Metal	scalar	Visual*	NONE	NONE	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>75	105	▲ 711	20
Potassium	ppm	ASTM D5185(m)	>20	7	30	2
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	VLITE	NONE	LIGHT
Debris	scalar	Visual*	NONE	VLITE	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
Sodium	ppm	ASTM D5185(m)		5	31	3
Boron	ppm	ASTM D5185(m)	243	202	181	206
Barium	ppm	ASTM D5185(m)	1	0	0	0
Molybdenum	ppm	ASTM D5185(m)		0	1	<1
Manganese	ppm	ASTM D5185(m)		3	13	1
Magnesium	ppm	ASTM D5185(m)	2	26	93	5
Calcium	ppm	ASTM D5185(m)	6	88	384	23
Phosphorus	ppm	ASTM D5185(m)	987	972	854	944
Zinc	ppm	ASTM D5185(m)	1	34	180	15
Sulfur	ppm	ASTM D5185(m)	21530	17225	18183	18213
Visc @ 40°C	cSt	ASTM D7279(m)	141.0	136	142	138
Visc @ 100°C	cSt	ASTM D7279(m)	15.06	14.4	14.8	14.5
Viscosity Index (VI)	Scale	ASTM D2270*	108	104	104	103



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0084802
Lab Number : 02630315
Unique Number : 5763447
Test Package : MOB 1 (Additional Tests: KV100, VI)

Received : 19 Apr 2024
Tested : 22 Apr 2024
Diagnosed : 22 Apr 2024 - Kevin Marson

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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