MOBIL LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
223-1603
Component
Front Differential
Fluid
PETRO CANADA DURATRAN (--- GAL)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

WEAR

All component wear rates are normal.

CONTAMINATION

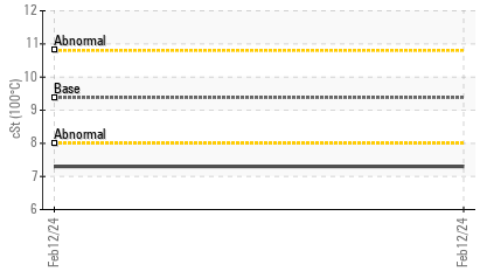
There is no indication of any contamination in the oil.

FLUID CONDITION

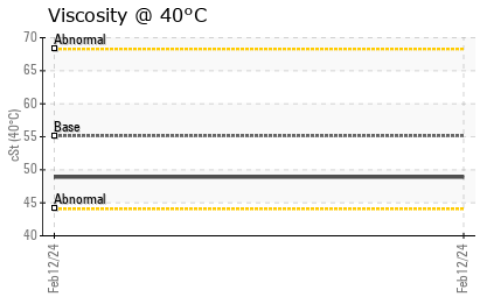
Additive levels indicate the addition of a different brand, or type of oil. The oil viscosity is lower than typical, possibly indicating the addition of lighter grade oil. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0084894	---	---
Sample Date		Client Info		12 Feb 2024	---	---
Machine Age	hrs	Client Info		11339	---	---
Oil Age	hrs	Client Info		2000	---	---
Filter Age	hrs	Client Info		2000	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---
PQ		ASTM D8184*		25	---	---
Iron	ppm	ASTM D5185(m)	>500	621	---	---
Chromium	ppm	ASTM D5185(m)	>10	2	---	---
Nickel	ppm	ASTM D5185(m)	>10	1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)	>25	5	---	---
Lead	ppm	ASTM D5185(m)	>25	15	---	---
Copper	ppm	ASTM D5185(m)	>100	171	---	---
Tin	ppm	ASTM D5185(m)	>10	7	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Silicon	ppm	ASTM D5185(m)	>75	17	---	---
Potassium	ppm	ASTM D5185(m)	>20	1	---	---
Water		WC Method	>.2	NEG	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>.2	NEG	---	---
Sodium	ppm	ASTM D5185(m)		2	---	---
Boron	ppm	ASTM D5185(m)	110	4	---	---
Barium	ppm	ASTM D5185(m)	0.0	2	---	---
Molybdenum	ppm	ASTM D5185(m)	0.0	3	---	---
Manganese	ppm	ASTM D5185(m)	1	7	---	---
Magnesium	ppm	ASTM D5185(m)	13	101	---	---
Calcium	ppm	ASTM D5185(m)	3610	3327	---	---
Phosphorus	ppm	ASTM D5185(m)	1192	970	---	---
Zinc	ppm	ASTM D5185(m)	1455	1115	---	---
Sulfur	ppm	ASTM D5185(m)	2641	3127	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	55.14	48.9	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	9.38	7.3	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	153	109	---	---

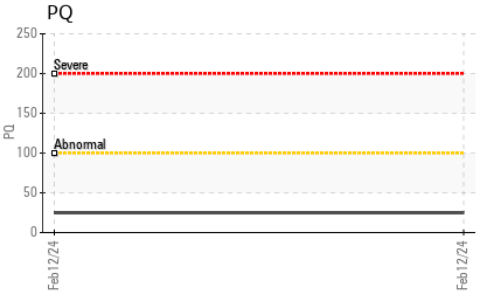
Viscosity @ 100°C



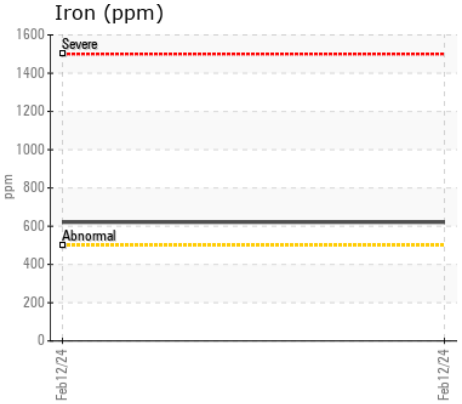
Viscosity @ 40°C



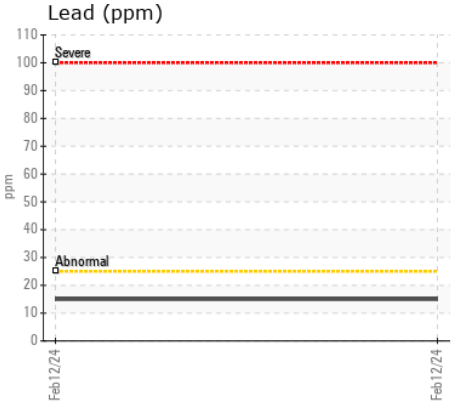
PQ



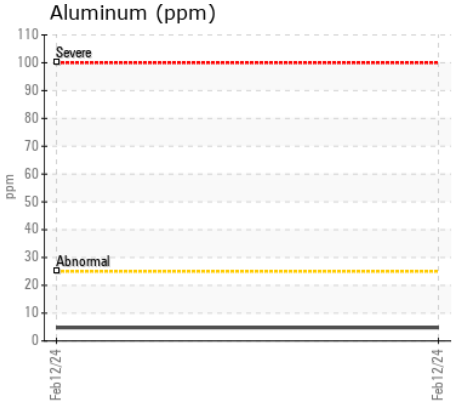
Iron (ppm)



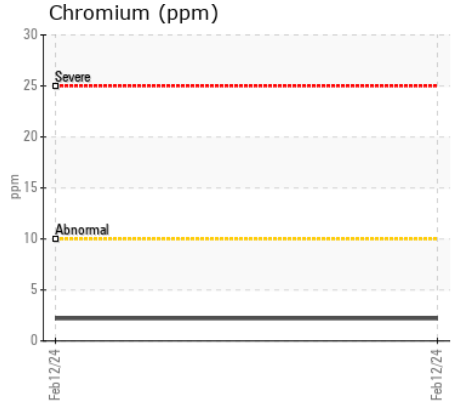
Lead (ppm)



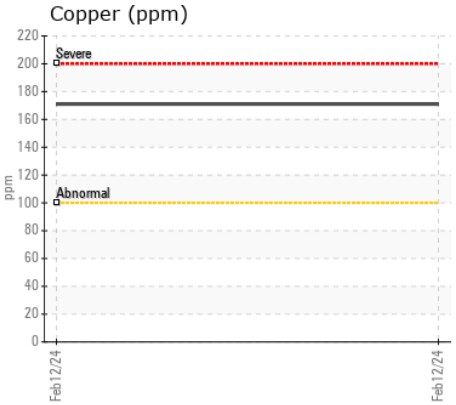
Aluminum (ppm)



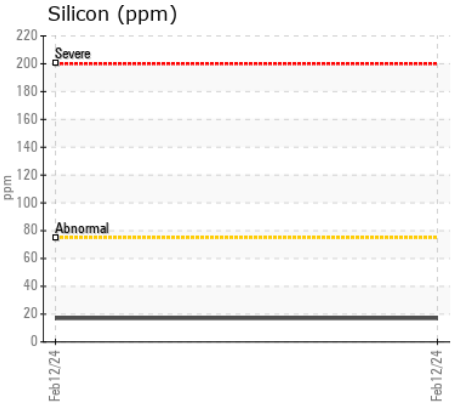
Chromium (ppm)



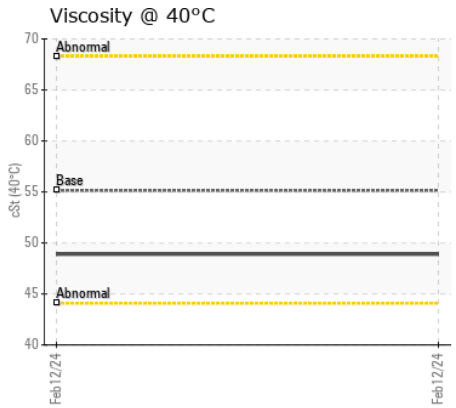
Copper (ppm)



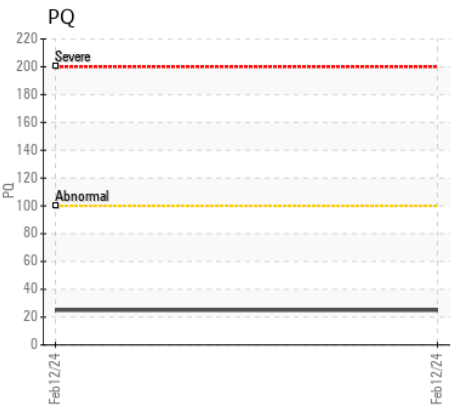
Silicon (ppm)



Viscosity @ 40°C



PQ



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0084894 **Received** : 28 Feb 2024
Lab Number : 02618742 **Tested** : 28 Feb 2024
Unique Number : 5735852 **Diagnosed** : 29 Feb 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: KV100, PQ, VI)

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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