

Machine Id
PETERSON 15-19
Component
Left Planetary
Fluid
SAE 80W90 (--- LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0074285	---	---
Sample Date		Client Info		09 Apr 2024	---	---
Machine Age	hrs	Client Info		2748	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Not Changd	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	31	---	---
Chromium	ppm	ASTM D5185(m)	>10	1	---	---
Nickel	ppm	ASTM D5185(m)	>10	0	---	---
Titanium	ppm	ASTM D5185(m)		<1	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)	>25	0	---	---
Lead	ppm	ASTM D5185(m)	>25	0	---	---
Copper	ppm	ASTM D5185(m)	>75	2	---	---
Tin	ppm	ASTM D5185(m)	>10	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

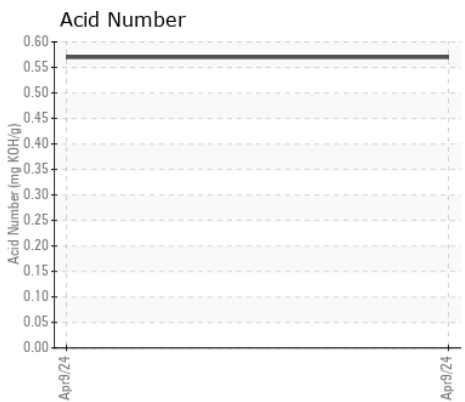
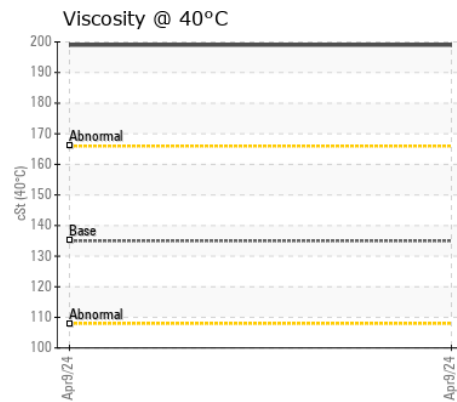
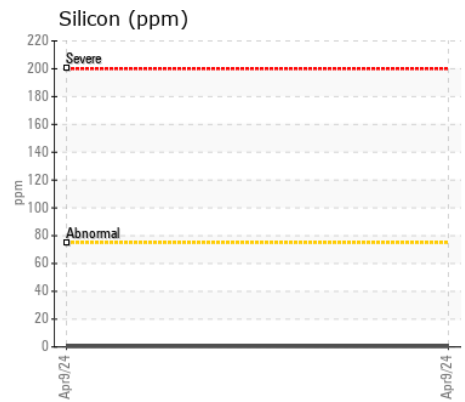
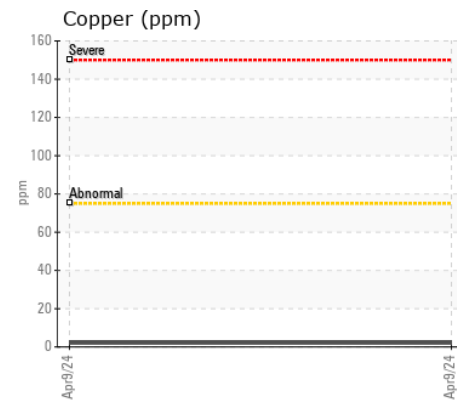
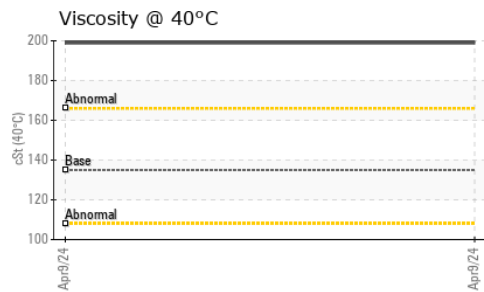
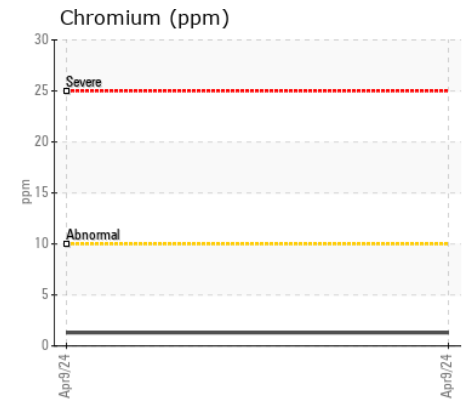
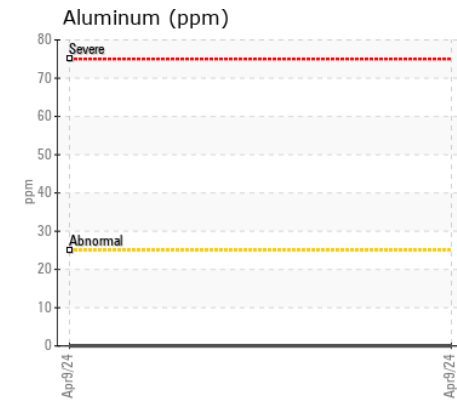
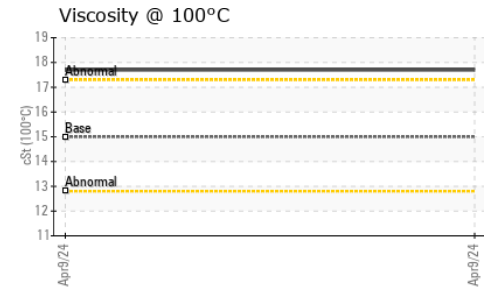
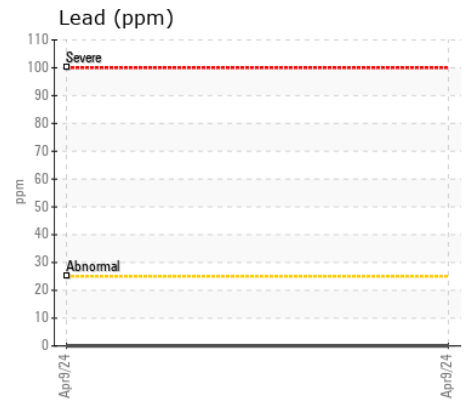
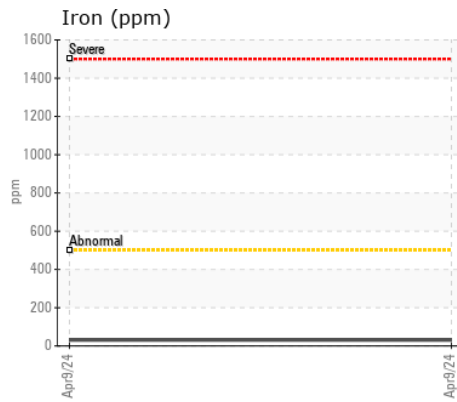
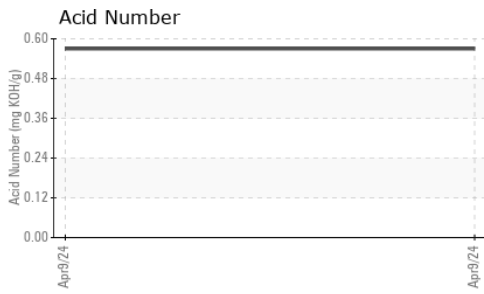
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>75	<1	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Water		WC Method	>0.2	NEG	---	---
Silt	scalar	Visual*	NONE	VLITE	---	---
Debris	scalar	Visual*	NONE	VLITE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

FLUID CONDITION

Viscosity of sample indicates oil is within ISO 220 range, advise investigate. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)	>50	<1	---	---
Boron	ppm	ASTM D5185(m)	200	3	---	---
Barium	ppm	ASTM D5185(m)	0	1	---	---
Molybdenum	ppm	ASTM D5185(m)	0	0	---	---
Manganese	ppm	ASTM D5185(m)		2	---	---
Magnesium	ppm	ASTM D5185(m)	0	<1	---	---
Calcium	ppm	ASTM D5185(m)	20	3	---	---
Phosphorus	ppm	ASTM D5185(m)	1000	309	---	---
Zinc	ppm	ASTM D5185(m)	20	10	---	---
Sulfur	ppm	ASTM D5185(m)	22000	13359	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*		0.57	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	135	199	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.0	17.7	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	112	96	---	---



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0074285
Lab Number : 02637733
Unique Number : 5786895
Test Package : MOB 2 (Additional Tests: KV100, TAN Man, VI)

Received : 27 May 2024
Tested : 27 May 2024
Diagnosed : 27 May 2024 - Kevin Marson

TRUCK AND EQUIPMENT SOLUTION
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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.