



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
CEDUROPIDS 261-0400
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0088995	PC0028675	---
Sample Date		Client Info		29 Feb 2024	20 Jan 2021	---
Machine Age	hrs	Client Info		3471	3183	---
Oil Age	hrs	Client Info		400	202	---
Filter Age	hrs	Client Info		400	202	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	6	7	---
Chromium	ppm	ASTM D5185(m)	>20	0	<1	---
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)	>3	<1	<1	---
Aluminum	ppm	ASTM D5185(m)	>20	1	1	---
Lead	ppm	ASTM D5185(m)	>40	<1	<1	---
Copper	ppm	ASTM D5185(m)	>330	<1	<1	---
Tin	ppm	ASTM D5185(m)	>15	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

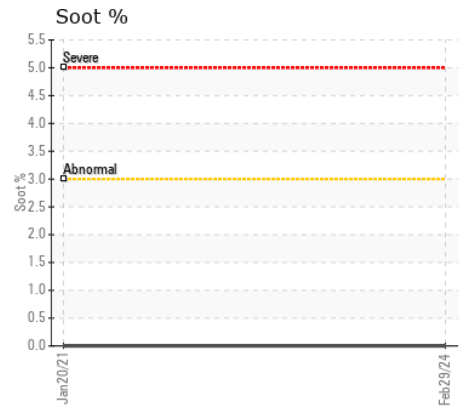
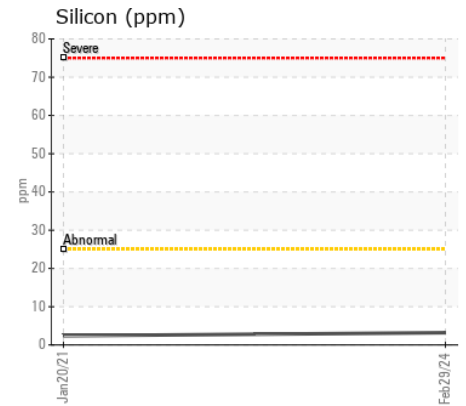
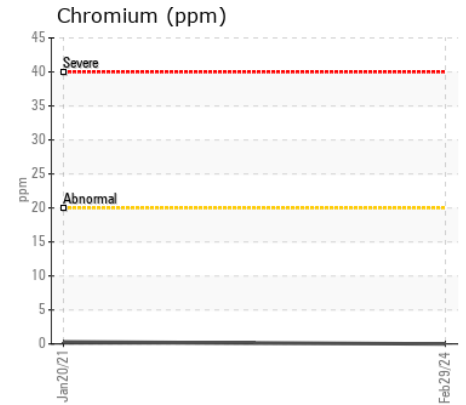
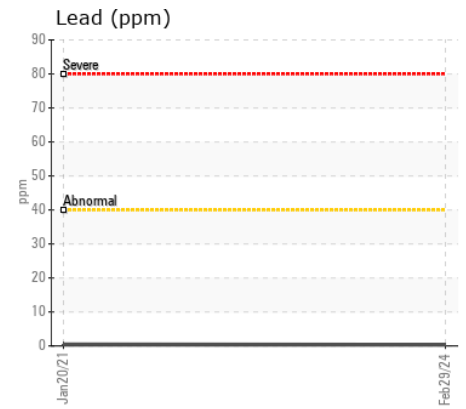
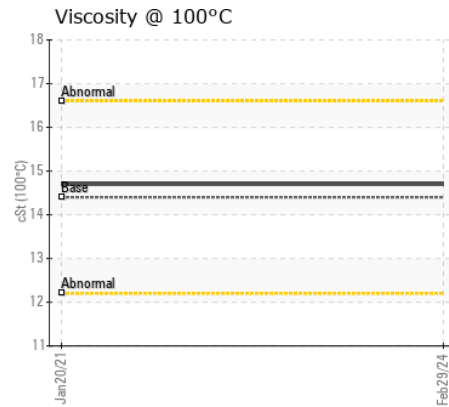
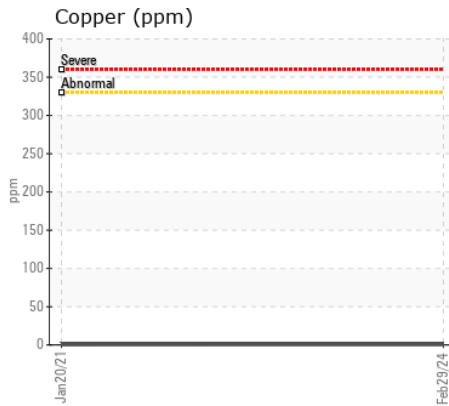
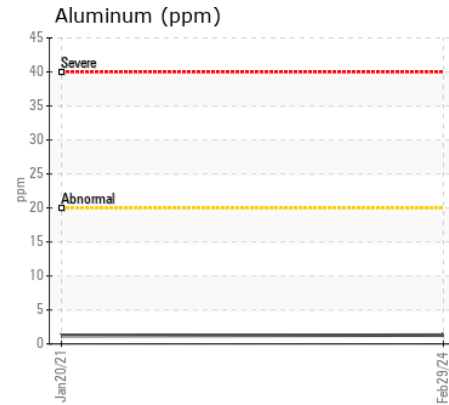
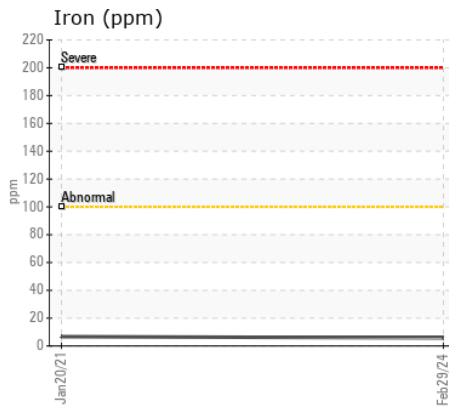
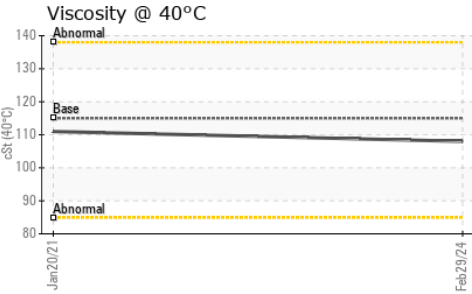
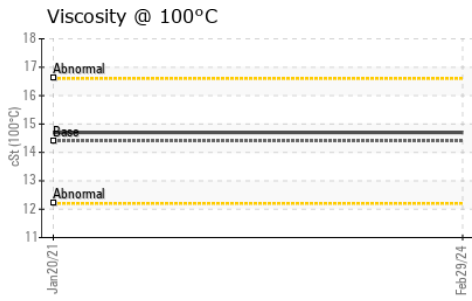
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	3	2	---
Potassium	ppm	ASTM D5185(m)	>20	<1	3	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*	>3	0	0	---
Nitration	Abs/cm	ASTM D7624*	>20	6.3	6.4	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.3	18.6	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>158	1	2	---
Boron	ppm	ASTM D5185(m)	250	3	2	---
Barium	ppm	ASTM D5185(m)	10	0	0	---
Molybdenum	ppm	ASTM D5185(m)	100	61	61	---
Manganese	ppm	ASTM D5185(m)		0	<1	---
Magnesium	ppm	ASTM D5185(m)	450	991	999	---
Calcium	ppm	ASTM D5185(m)	3000	1095	1066	---
Phosphorus	ppm	ASTM D5185(m)	1150	1031	1012	---
Zinc	ppm	ASTM D5185(m)	1350	1196	1267	---
Sulfur	ppm	ASTM D5185(m)	4250	2751	2720	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	14.3	14.4	---
Visc @ 40°C	cSt	ASTM D7279(m)	115	108	111	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	14.7	14.7	---
Viscosity Index (VI)	Scale	ASTM D2270*	126	140	136	---



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0088995 **Received** : 04 Mar 2024
Lab Number : 02619505 **Tested** : 04 Mar 2024
Unique Number : 5736615 **Diagnosed** : 04 Mar 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: KV40, 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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