

Area
OTHER
Machine Id
1003
Component
Gasoline Engine
Fluid
0W16 (5 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0109604	PCA0098669	---
Sample Date		Client Info		16 Apr 2024	29 Sep 2023	---
Machine Age	mls	Client Info		65853	50500	---
Oil Age	mls	Client Info		6000	5000	---
Filter Age	mls	Client Info		6000	5000	---
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 D5185m	>150	8	1	---
Chromium	ppm	ASTM D5185m	>20	<1	0	---
Nickel	ppm	ASTM D5185m	>5	<1	<1	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m	>2	0	0	---
Aluminum	ppm	ASTM D5185m	>40	7	4	---
Lead	ppm	ASTM D5185m	>50	<1	0	---
Copper	ppm	ASTM D5185m	>155	7	<1	---
Tin	ppm	ASTM D5185m	>10	<1	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

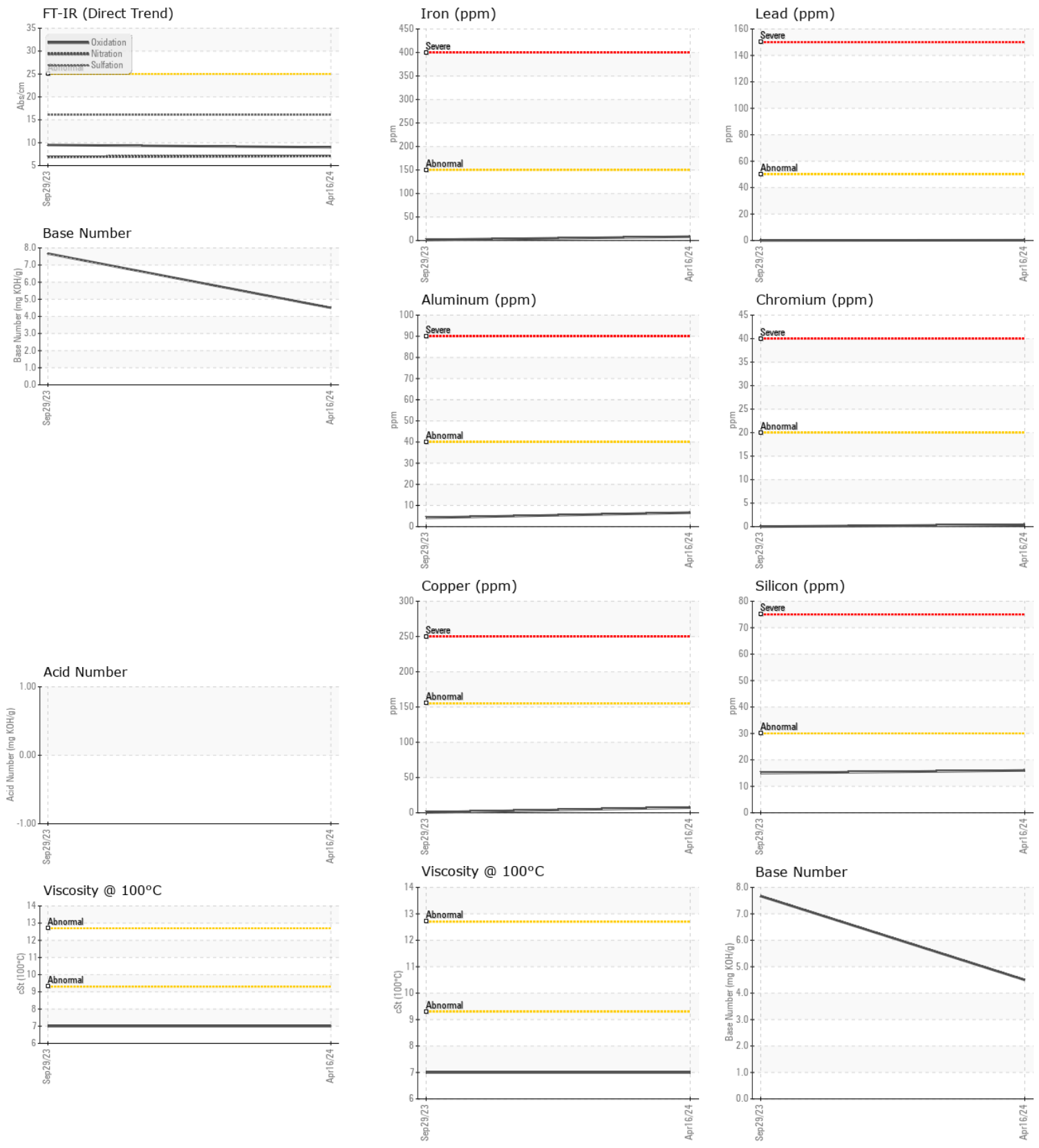
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	16	15	---
Potassium	ppm	ASTM D5185m	>20	5	0	---
Fuel	%	ASTM D3524	>4.0	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844		0	0	---
Nitration	Abs/cm	*ASTM D7624	>20	7.1	6.9	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	16.1	16.1	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m	>400	3	1	---
Boron	ppm	ASTM D5185m		120	87	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		66	62	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		490	536	---
Calcium	ppm	ASTM D5185m		960	905	---
Phosphorus	ppm	ASTM D5185m		728	664	---
Zinc	ppm	ASTM D5185m		788	808	---
Sulfur	ppm	ASTM D5185m		3206	2888	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	9.0	9.5	---
Base Number (BN)	mg KOH/g	ASTM D2896		4.5	7.67	---
Visc @ 100°C	cSt	ASTM D445		7.0	7	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0109604
Lab Number : 06155070
Unique Number : 10990493
Test Package : MOB 2 (Additional Tests: FuelDilution, PercentFuel, TBN)

DENNIS K BURKE INC - INTERNAL SAMPLES
 555 CONSTITUTION DR
 TAUNTON, MA
 US 02780
 Contact: GREG DUNKER

To discuss this sample report, contact Customer Service at 1-800-237-1369.
 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)