

Machine Id
KENWORTH 101
Component
Diesel Engine
Fluid
PETRO CANADA DURON HP 15W40 (--- QTS)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0111254	PCA0111278	PCA0111335
Sample Date		Client Info		27 Jun 2024	22 Apr 2024	07 Feb 2024
Machine Age	mls	Client Info		155606	137088	119404
Oil Age	mls	Client Info		20000	20000	20000
Filter Age	mls	Client Info		10000	10000	10000
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	SEVERE	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	15	24	19
Chromium	ppm	ASTM D5185m	>20	1	4	1
Nickel	ppm	ASTM D5185m	>4	<1	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	4	2	4
Lead	ppm	ASTM D5185m	>40	1	8	2
Copper	ppm	ASTM D5185m	>330	0	<1	<1
Tin	ppm	ASTM D5185m	>15	<1	1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

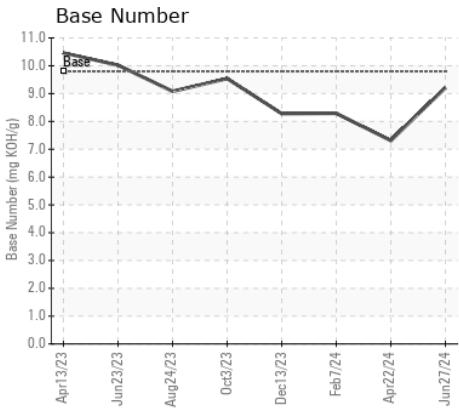
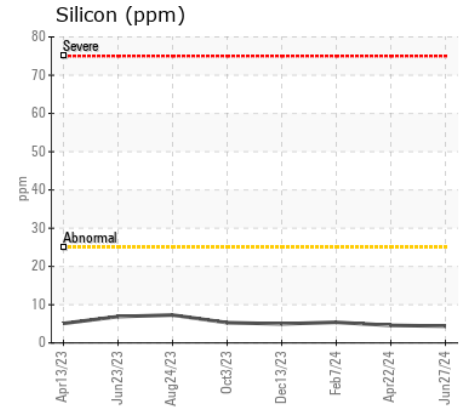
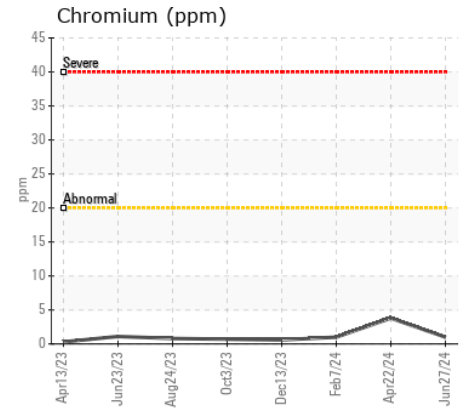
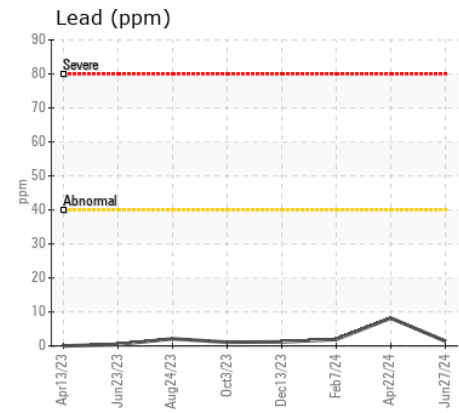
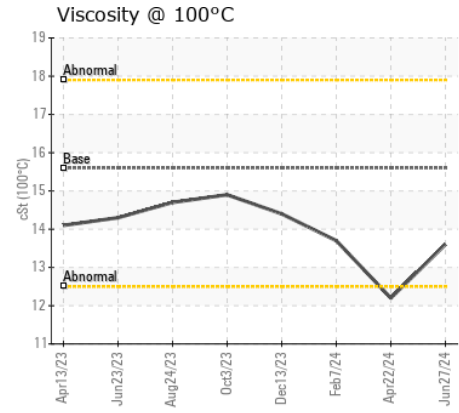
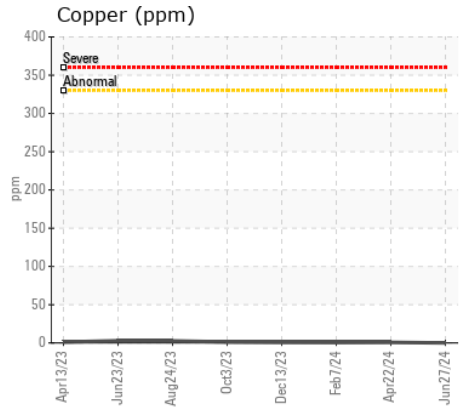
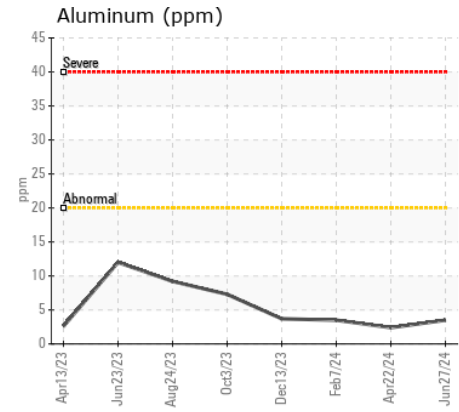
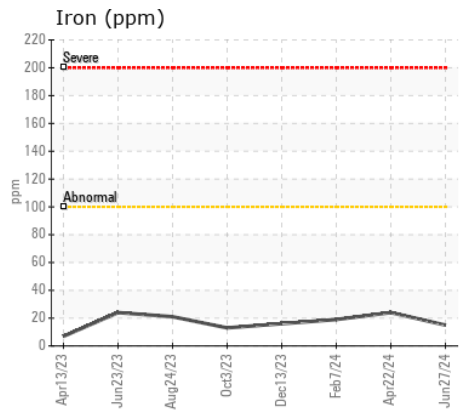
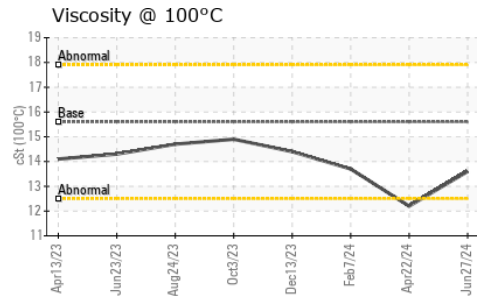
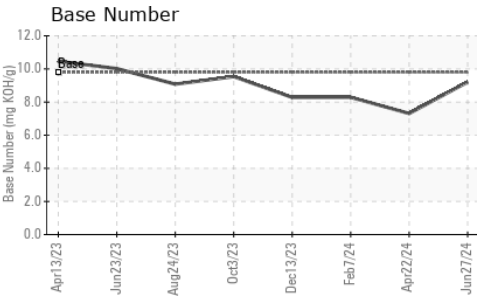
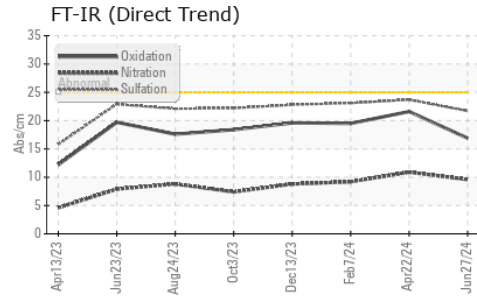
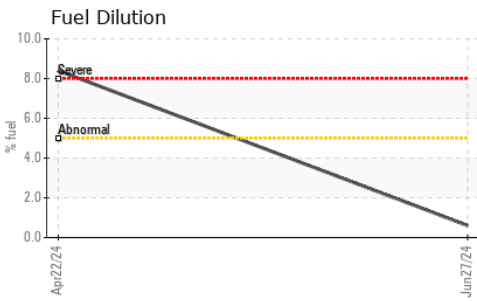
Fuel content negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	4	5	5
Potassium	ppm	ASTM D5185m	>20	7	<1	6
Fuel	%	ASTM D3524	>5	0.6	▲ 8.4	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.6	0.8	0.8
Nitration	Abs/cm	*ASTM D7624	>20	9.6	10.9	9.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.7	23.7	23.1
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	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

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		9	8	5
Boron	ppm	ASTM D5185m		3	1	<1
Barium	ppm	ASTM D5185m		0	0	11
Molybdenum	ppm	ASTM D5185m		65	87	99
Manganese	ppm	ASTM D5185m		<1	1	0
Magnesium	ppm	ASTM D5185m		991	840	808
Calcium	ppm	ASTM D5185m		1082	893	872
Phosphorus	ppm	ASTM D5185m		1083	871	853
Zinc	ppm	ASTM D5185m		1300	1072	1039
Sulfur	ppm	ASTM D5185m		3526	2772	2648
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.9	21.6	19.5
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	9.21	7.31	8.29
Visc @ 100°C	cSt	ASTM D445	15.6	13.6	▲ 12.2	13.7



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0111254 **Received** : 02 Jul 2024
Lab Number : 06226448 **Tested** : 03 Jul 2024
Unique Number : 11109941 **Diagnosed** : 03 Jul 2024 - Wes Davis
Test Package : MOB 2 (Additional Tests: PercentFuel)

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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)