



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
KENWORTH Patriot
 Component
Diesel Engine
 Fluid
CHEVRON DELO 400 LE 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0013524	RPL0012339	---
Sample Date		Client Info		05 Jan 2024	20 Jul 2023	---
Machine Age	mls	Client Info		44652	21529	---
Oil Age	mls	Client Info		23124	21529	---
Filter Age	mls	Client Info		23124	21529	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	ATTENTION	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	40	79	---
Chromium	ppm	ASTM D5185m	>20	3	3	---
Nickel	ppm	ASTM D5185m	>4	0	0	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m	>3	<1	<1	---
Aluminum	ppm	ASTM D5185m	>20	17	12	---
Lead	ppm	ASTM D5185m	>40	4	8	---
Copper	ppm	ASTM D5185m	>330	10	38	---
Tin	ppm	ASTM D5185m	>15	2	3	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

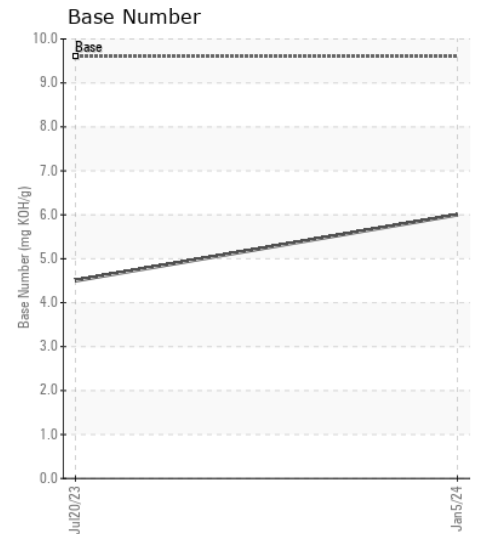
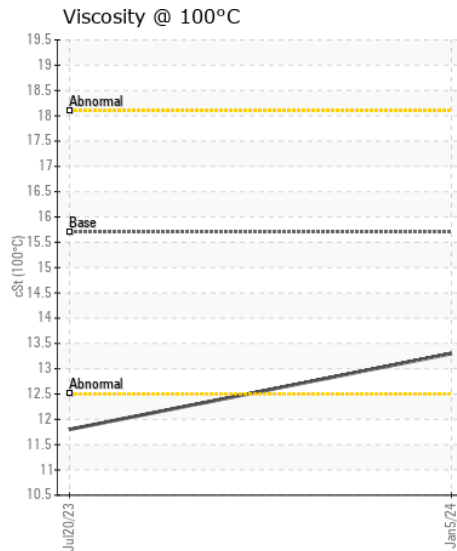
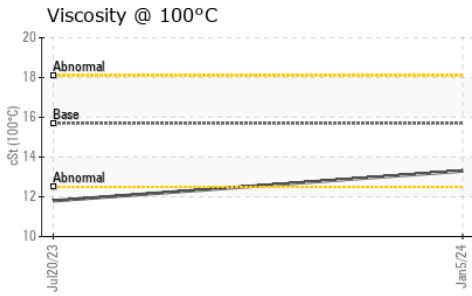
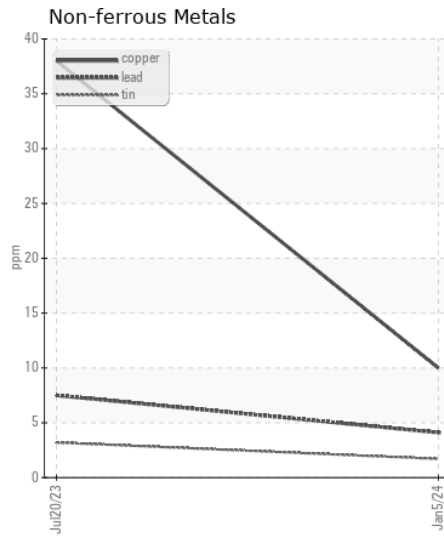
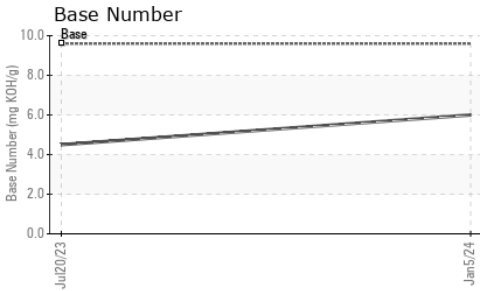
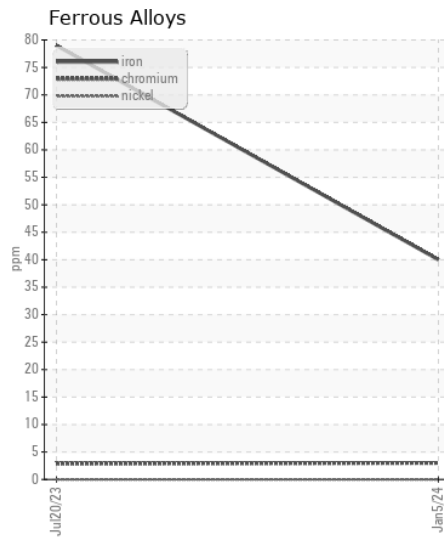
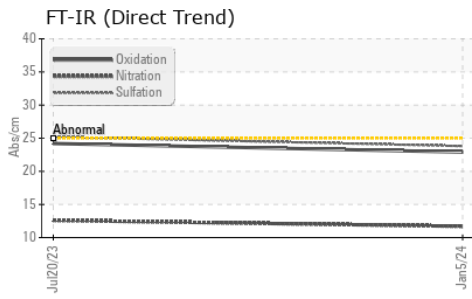
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	15	47	---
Potassium	ppm	ASTM D5185m	>20	47	54	---
Fuel		WC Method	>5	<1.0	0.8	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.3	0.3	---
Nitration	Abs/cm	*ASTM D7624	>20	11.7	12.6	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.8	25.2	---
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		3	8	---
Boron	ppm	ASTM D5185m		11	30	---
Barium	ppm	ASTM D5185m		2	0	---
Molybdenum	ppm	ASTM D5185m		61	15	---
Manganese	ppm	ASTM D5185m		3	8	---
Magnesium	ppm	ASTM D5185m		945	831	---
Calcium	ppm	ASTM D5185m		1192	1497	---
Phosphorus	ppm	ASTM D5185m	1200	1014	756	---
Zinc	ppm	ASTM D5185m	1300	1221	928	---
Sulfur	ppm	ASTM D5185m	3200	3107	2979	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.9	24.2	---
Base Number (BN)	mg KOH/g	ASTM D2896	9.6	6.0	4.5	---
Visc @ 100°C	cSt	ASTM D445	15.7	13.3	11.8	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0013524
Lab Number : 06155673
Unique Number : 10991096
Test Package : FLEET
Received : 22 Apr 2024
Tested : 23 Apr 2024
Diagnosed : 24 Apr 2024 - Don Baldrige

RTL PACLEASE - 7011 - El Cajon
 275 Vernon Way
 El Cajon, CA
 US 92020
 Contact: Rudy Manager
 TrevizoR@RushEnterprises.Com
 T: (909)829-1044
 F:

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)